* * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

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L1 STRUCTURE UPLOADED

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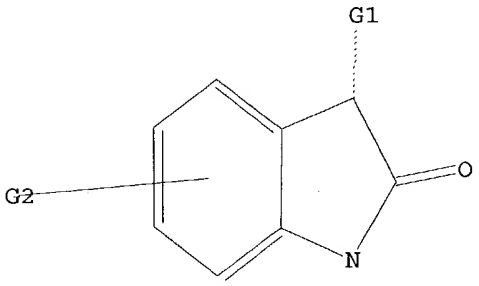
L1 HAS NO ANSWERS
L1 STR



G1 H,O

G2 Ph,Hy

Structure attributes must be viewed using STN Express query preparation.

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L2 346 SEA SSS FUL L1

=> file ca

=> s l2
L3 187 L2

=> file reg

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L4 STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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=> file ca

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L7            47 L6 AND PY<2000

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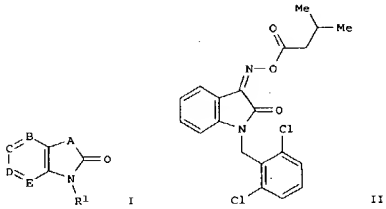
L7 ANSWER 1 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 132:35611 CA
TITLE: Preparation of isatin derivatives as telomerase inhibitors and anticancer agents
INVENTOR(S): Gaeta, Federico C. A.; Galan, Adam A.; Kraynack, Erica A.
PATENT ASSIGNEE(S): Geron Corporation, USA
SOURCE: PCT Int. Appl., 56 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9965875 <--	A1	19991223	WO 1999-US13523	19990615
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9946857	A1	20000105	AU 1999-46857	19990615
PRIORITY APPLN. INFO.:			US 1998-99061	19980617
			WO 1999-US13523	19990615

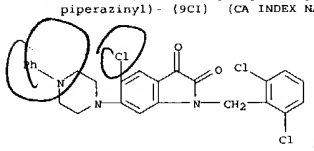
OTHER SOURCE(S): CASREACT 132:35611; MARPAT 132:35611
GI

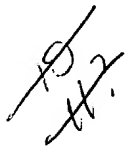


I II

AB Methods and compns. for treating cancer are provided, as well as certain novel compds. In one aspect, the invention includes methods and compns.

L7 ANSWER 1 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
for treating cancer, which include telomerase-inhibiting compds. selected from the generic class of isatins I [R1 = H, alkyl, (hetero)aryl, (hetero)aralkyl, etc.; A = CR2R3, C(:CR4R5), C:X; X = NR6, O, S; R2-R5 = H, alkyl, (hetero)aryl, (hetero)aralkyl, (un)substituted amino, etc.; R6 = H, (un)substituted OH, alkyl, (hetero)aryl, etc.; B, C, D, E = (un)substituted CH, N]. Prepn. methods include, among others, (1) N-alkylation of unsubstituted isatins I [R1 = H] with corresponding benzyl chlorides, (2) formation of isatin 3-oximes from isatins, and (3) O-acylation of the 3-oximes with appropriate acyl chlorides. The compd. II had a particularly strong inhibitory action against telomerase, with an IC50 of 11 .mu.M in vitro.
IT **252579-15-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compd.; prepn. of isatin derivs. as telomerase inhibitors and anticancer agents)
RN 252579-15-0 CA
CN 1H-Indole-2,3-dione, 5-chloro-1-[(2,6-dichlorophenyl)methyl]-6-(4-phenyl-1-piperazinyl)- (9CI) (CA INDEX NAME)





REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 132:9027 CA
TITLE: Glycogen phosphorylase inhibitors for treatment of metabolic disorders
INVENTOR(S): Hulin, Bernard; Sarges, Reinhard
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: U.S., 21 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5998463 <--	A	19991207	US 1999-251141	19990216
PRIORITY APPLN. INFO.:			US 1998-76132P P	19980227

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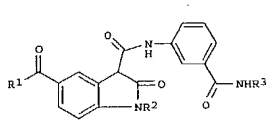
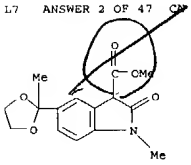


I

AB Pharmaceutical compns. for the treatment of glycogen phosphorylase-dependent diseases or conditions comprise 5-acyl-2-oxo-indole-3-carboxamides (I; C1-4 alkyl, C3-7 cycloalkyl, Ph, C1-4 alkoxy, halogen; R2 = C1-4 alkyl; R3 = C3-7 cycloalkyl, Ph, halogen, CF3) as inhibitors of glycogen phosphorylase. I may be combined with antidiabetic agents, such as insulin and analogs. Prepn. of 16 5-acyl-2-oxo-indole-3-carboxamides, including 5-acetyl-1-ethyl-2-oxo-2,3-dihydro-1H-indole-3-carboxylic acid (3-phenylcarbamoylphenyl)amide, was presented.
IT **251446-41-0P**
RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(glycogen phosphorylase inhibitors for treatment of metabolic disorders)
RN 251446-41-0 CA
CN 1H-Indole-3-carboxylic acid, 2,3-dihydro-1-methyl-5-(2-methyl-1,3-dioxolan-2-yl)-2-oxo-, methyl ester (9CI) (CA INDEX NAME)

L7 ANSWER 2 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 131:209113 CA
TITLE: Antimycobacterial isatin and oxindole derivatives for the treatment of mycobacterial diseases
INVENTOR(S): Ramachandran, Janakiraman
PATENT ASSIGNEE(S): Astra AB, Swed.
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9944608	A1	19990910	WO 1999-SE319	19990304
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2320757	AA	19990910	CA 1999-2320757	19990304
AU 9927573	A1	19990920	AU 1999-27573	19990304
AU 735381	B2	20010705		
BR 9908510	A	20001121	BR 1999-8510	19990304
EP 1058548	A1	20001213	EP 1999-908059	19990304
EP 1058548	B1	20030917		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002505286	T2	20020219	JP 2000-534210	19990304
NZ 506217	A	20020531	NZ 1999-506217	19990304
AT 249828	E	20031015	AT 1999-908059	19990304
NO 2000004419	A	20001020	NO 2000-4419	20000905
HK 1030885	A1	20040130	HK 2001-101845	20010314

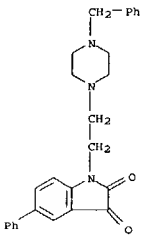
PRIORITY APPLN. INFO.:
IN 1998-MA464 A 19980306
SE 1998-1370 A 19980420
WO 1999-SE319 W 19990304

OTHER SOURCE(S): MARPAT 131:209113

AB The use of certain isatin and oxindole derivs. in the prepn. of a medicament for use in the treatment of mycobacterial diseases is disclosed. Thus, 1-nonyl-7-phenyl-1H-indol-2,3-dione was prepd. by the reaction of 1-bromononane with 7-phenyl-1H-indole-2,3-dione (I). The MIC of I against Mycobacterium tuberculosis was .ltoreq.20 .mu.g/mL.

IT **150561-92-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

L7 ANSWER 3 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(antimycobacterial isatin and oxindole derivs. for treatment of mycobacterial diseases)
RN 150561-92-5 CA
CN 1H-Indole-2,3-dione, 5-phenyl-1-[2-[4-(phenylmethyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

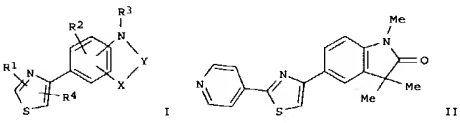
L7 ANSWER 4 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 130:252351 CA
TITLE: Preparation of thiazoles as antiinflammatories
INVENTOR(S): Tsuji, Kiyoshi; Tabuchi, Seiichiro; Eikyu, Yoshiteru; Tojo, Takashi
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 147 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9915524	A1	19990401	WO 1998-JP4275	19980922
W: AU, BR, CA, CN, HU, JP, KR, MX, RU, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9890966	A1	19990412	AU 1998-90966	19980922
JP 2001517666	T2	20011009	JP 2000-512829	19980922

PRIORITY APPLN. INFO.:
AU 1997-9367 A 19970923
AU 1998-3591 A 19980519
WO 1998-JP4275 W 19980922

OTHER SOURCE(S): MARPAT 130:252351

GI

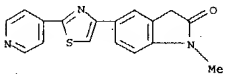


I II

AB The title compds. [I; R1 = NH2, alkylamino, (un)substituted heterocyclic ring contg. nitrogen, etc.; R2 = H, OH, alkyl, alkoxy; R3 = H, (un)substituted alkyl, acyl, cycloalkyl; R2 and R3 may be linked together to form lower alkylene; R4 = H, alkyl, halo, alkylthio; X = (un)substituted alkylene, cycloalkylidene, CO, S; Y = (un)substituted alkylene; X and Y may be linked together to form alkenylene; X and N are resp. bonded to the adjoining carbon atoms on the benzene ring], useful in the treatment of inflammatory conditions, autoimmune diseases, INF-.gamma. mediated diseases and TNF-mediated diseases, were prepd. Thus, treatment of a mixt. of 5-[2-(4-pyridyl)thiazol-4-yl]oxindole and NaH in DMF with MeI afforded II which showed 91.6% inhibition of Con A-induced hepatitis in mice at 32 mg/kg.

IT **221691-49-2P**
RL: BAC (Biological activity or effector, except adverse); BSU

L7 ANSWER 4 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of thiazoles as antiinflammatories)
RN 221691-49-2 CA
CN 2H-Indol-2-one, 1,3-dihydro-1-methyl-5-[2-(4-pyridinyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

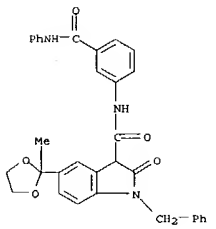
L7 ANSWER 5 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 130:218317 CA
TITLE: AMPA antagonists for the treatment of dyskinesias associated with dopamine agonist therapy
INVENTOR(S): Chenard, Bertrand Leo; Menniti, Frank Samuel; Welch, Willard McKowan, Jr.
PATENT ASSIGNEE(S): Pfizer Products Inc., USA
SOURCE: Eur. Pat. Appl., 22 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 900568	A2	19990310	EP 1998-307181	19980904
EP 900568	A3	20010502		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 11158072	A2	19990615	JP 1998-245269	19980831
JP 2001316267	A2	20011113	JP 2001-134816	19980831
AU 9883120	A1	19990318	AU 1998-83120	19980904
AU 736254	B2	20010726		
NZ 331741	A	20000825	NZ 1998-331741	19980904
US 6136812	A	20001024	US 1998-148974	19980904
ZA 9808139	A	20000322	ZA 1998-8139	19980907
CA 2246839	AA	19990305	CA 1998-2246839	19980908
CA 2246839	C	20021112		

PRIORITY APPLN. INFO.:		
US 1997-58098P	P	19970905
JP 1998-245269	A3	19980831

OTHER SOURCE(S): MARPAT 130:218317
AB The invention relates to a method of treating dyskinesias assocd. with dopamine agonist therapy in a mammal which comprises administering to said mammal a compd., as defined herein, which is an antagonist of the AMPA receptor. Dopamine agonist therapy, as referred to in the present invention, is generally used in the treatment of a central nervous system disorder such as Parkinson's disease. One example compd. of the 212 claimed was (S)-3-(2-chlorophenyl)-2-[2-(5-diethylaminomethyl-2-fluorophenyl)vinyl]-6-fluoro-3H-quinazolin-4-one.
IT **221151-88-8**
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(AMPA antagonists for treatment of dyskinesias assocd. with dopamine agonist therapy)
RN 221151-88-8 CA
CN 1H-Indole-3-carboxamide, 2,3-dihydro-5-(2-methyl-1,3-dioxolan-2-yl)-2-oxo-N-[3-[(phenylamino)carbonyl]phenyl]-1-(phenylmethyl)- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



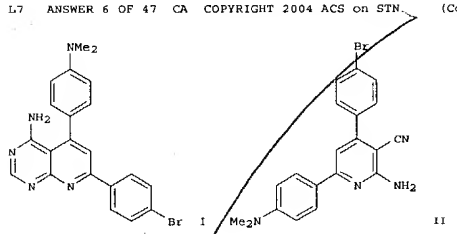
L7 ANSWER 6 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 129:316240 CA
TITLE: 5,7-Disubstituted 4-aminopyrido[2,3-d]pyrimidine compounds and their use as adenosine kinase inhibitors
INVENTOR(S): Bhagwat, Shripad S.; Lee, Chih-hung; Cowart, Marlon D.; McKie, Jeffrey; Grillot, Anne Laure
PATENT ASSIGNEE(S): Abbott Laboratories, USA
SOURCE: PCT Int. Appl., 172 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9846605	A1	19981022	WO 1998-US7207	19980414
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9871083	A1	19981111	AU 1998-71083	19980414
TR 9902455	T2	20000121	TR 1999-9902455	19980414
EP 989986	A1	20000405	EP 1998-918093	19980414
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI, RO				
BR 9809055	A	20000808	BR 1998-9055	19980414
JP 2001520655	T2	20011030	JP 1998-544088	19980414
ZA 9803177	A	19990122	ZA 1998-3177	19980415
NO 9905036	A	19991015	NO 1999-5036	19991015
MX 9909513	A	20000228	MX 1999-9513	19991015

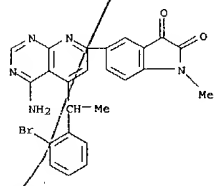
PRIORITY APPLN. INFO.:		
US 1997-838216	A	19970416
WO 1998-US7207	W	19980414

OTHER SOURCE(S): MARPAT 129:316240
GI

L7 ANSWER 6 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



AB Title compds. such as I were prepd. as adenosine kinase inhibitors. Thus, aminopyridinecarbonitrile II was refluxed in formamide to give I. II was prepd. from 4'-bromoacetophenone, 4-(dimethylamino)benzaldehyde, malononitrile, and ammonium acetate.
IT **214700-41-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. as adenosine kinase inhibitor)
RN 214700-41-1 CA
CN 1H-Indole-2,3-dione, 5-[4-amino-5-[1-(2-bromophenyl)ethyl]pyrido[2,3-d]pyrimidin-7-yl]-1-methyl- (9CI) (CA INDEX NAME)

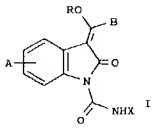


REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 126:343489 CA
TITLE: Preparation of heteroarylindole-1-carboxamides as cyclooxygenase-2 inhibitors
INVENTOR(S): Binder, Dieter; Weinberger, Josef; Pyerin, Michael; Dostl, Manfred
PATENT ASSIGNEE(S): Chemisch Pharmazeutische Forschungs-Gesellschaft m.b.H., Austria; Binder, Dieter; Weinberger, Josef; Pyerin, Michael; Dostl, Manfred
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

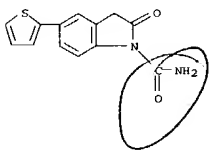
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9713767	A1	19970417	WO 1996-EP4293	19961002
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA				
AU 9672840	A1	19970430	AU 1996-72840	19961002
PRIORITY APPLN. INFO.:			AT 1995-1669	19951009
			WO 1996-EP4293	19961002

OTHER SOURCE(S): MARPAT 126:343489
GI



AB Title compds. [I; A = (un)substituted heteroaryl; B = (un)substituted (hetero)aryl; R = H or CHR1O2CR2; R1,R2 = alkyl, aryl, alkoxy, etc.; X = H or (un)substituted (hetero)aryl] were prepd. Thus, Me 5-bromo-2-nitrophenylacetate was arylated by 2-thiopheneboronic acid and

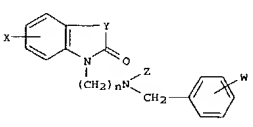
L7 ANSWER 7 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
the product reductively cyclized to give 1,3-dihydro-5-(2-thienyl)-2H-indol-2-one which was treated with ClSO2NCO and the product acylated with thiophene-2-carbonyl chloride to give I [A = 5-(2-thienyl), B = 2-thienyl, R = X = H]. Data for biol. activity of I were given.
IT **189748-09-2P**
RL: RCT (Reactant), SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of heteroarylindole-1-carboxamides as cyclooxygenase-2 inhibitors)
RN 189748-09-2 CA
CN 1H-Indole-1-carboxamide, 2,3-dihydro-2-oxo-5-(2-thienyl)- (9CI) (CA INDEX NAME)



L7 ANSWER 8 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 122:239719 CA
TITLE: 1-substituted isatin and oxindole derivatives as inhibitors of acetylcholinesterase
INVENTOR(S): Boar, Bernard Robin; Oshea, Dennis Mark; Tomlinson, Ian David
PATENT ASSIGNEE(S): Astra AB, Swed.
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

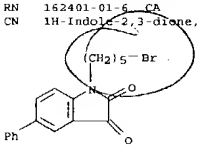
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9429272	A1	19941222	WO 1994-SE448	19940513
W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KG, KP, KR, KZ, LK, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2164119	AA	19941222	CA 1994-2164119	19940513
AU 9470108	A1	19950103	AU 1994-70108	19940513
EP 703901	A1	19960403	EP 1994-919032	19940513
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 08511515	T2	19961203	JP 1994-501642	19940513
NO 9505074	A	19960207	NO 1995-5074	19951214
FI 9506074	A	19951218	FI 1995-6074	19951218
PRIORITY APPLN. INFO.:			SE 1993-2080	19930616
			WO 1994-SE448	19940513

OTHER SOURCE(S): MARPAT 122:239719
GI

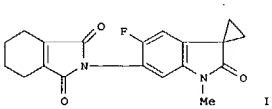


AB The title compds. [I; W = hydrogen, lower alkyl, lower alkoxy, halogen; X = hydrogen, lower alkyl, aryl, lower alkoxy, halogen, trifluoromethyl, nitro, NHCOR, (un)substituted NH2; R = lower alkyl, aryl; Y = CO, (un)substituted CH2; Z = lower alkyl; n = 3-7] [e.g., 5'-(1-piperidinyl)-

L7 ANSWER 8 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
spiro-[1,3-dioxolane-2,3'-[3H]-indol]-2'(1'H)-one], useful as acetylcholinesterase inhibitors (no data) for the treatment of cognitive dysfunction (no data), Alzheimer's disease (no data), Down's syndrome (no data), Parkinson's disease (no data), glaucoma (no data), etc. (no data), are prepd. and I-contg. formulations presented.
IT **162401-01-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(1-substituted isatin and oxindole-deriv. inhibitors of acetylcholinesterase)
RN 162401-01-6 CA
CN 1H-Indole-2,3-dione, 1-(5-bromopentyl)-5-phenyl- (9CI) (CA INDEX NAME)

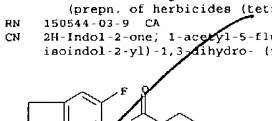


L7 ANSWER 9 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 122:132898 CA
TITLE: Preparation and alkylation of regioisomeric tetrahydrophthalamide-substituted indolin-2(3H)-ones
AUTHOR(S): Karp, Gary M.; Condon, Michael E.
CORPORATE SOURCE: Agric. Res. Div., American Cyanamide Co., Princeton, NJ, 08543-0400, USA
SOURCE: Journal of Heterocyclic Chemistry (1994), 31(6), 1513-20
CODEN: JHTCAD; ISSN: 0022-152X
PUBLISHER: HeteroCorporation
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB A series of novel regioisomeric tetrahydrophthalmidine-substituted indolin-2-ones was prepd. via the Sommelet-Hauser type cyclization of appropriately substituted anilines as potential herbicides (no test data).
The resultant indolin-2-ones were then regioselectively alkylated at N-1 and C-3 to give 1,3,3-trisubstituted indolin-2-ones. The most active series was also prepd. by the bis-nitration of m-fluorophenylacetic acid followed by redn. and cyclization to give 6-amino-5-fluoroindolin-2-one. Elaboration to the tetrahydrophthalimide-substituted indolin-2-one was followed by C- and N-alkylation to give the desired compds. An example compd. is 2-(5'-Fluoro-1',2'-dihydro-1'-methyl-2'-oxospiro[cyclopropane-1,3'-[3H]indol]-6'-yl)-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (I).
IT **150544-03-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of herbicides (tetrahydrophthalimido)indolinones)
RN 150544-03-9 CA
CN 2H-Indol-2-one, 1-acetyl-5-fluoro-6-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)-1,3-dihydro- (9CI) (CA INDEX NAME)



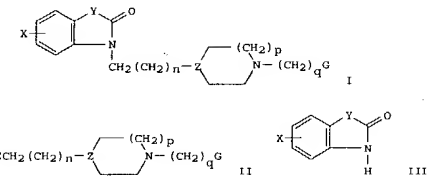
L7 ANSWER 9 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

L7 ANSWER 10 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 119:225964 CA
TITLE: Isatin derivative cholinesterase inhibitors and processes for their preparation
INVENTOR(S): Boar, Bernard Robin; Cross, Alan John
PATENT ASSIGNEE(S): Aktiebolaget Astra, Swed.
SOURCE: PCT Int. Appl., 70 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9312085	A1	19930624	WO 1992-SE873	19921216
W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, NZ, PL, RO, RU, SD, SE, UA				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
ZA 9209700	A	19930810	ZA 1992-9700	19921214
AU 9331759	A1	19930719	AU 1993-31759	19921216
AU 675055	B2	19970123		
EP 624156	A1	19941117	EP 1993-900490	19921216
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 07502272	T2	19950309	JP 1992-510848	19921216
HU 69704	A2	19950928	HU 1994-1844	19921216
SK 278321	B6	19961002	SK 1994-734	19921216
PL 170736	B1	19970131	PL 1992-304124	19921216
CN 1079464	A	19931215	CN 1992-115358	19921218
CN 1034939	B	19970521		
NO 9402316	A	19940617	NO 1994-2316	19940617
FI 9402913	A	19940817	FI 1994-2913	19940617
US 5585378	A	19961217	US 1995-467695	19950606
PRIORITY APPLN. INFO.:			SE 1991-3752	19911218
			WO 1992-SE873	19921216
			US 1992-992407	19921217
			US 1995-417724	19950406

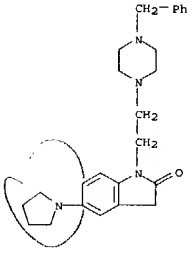
OTHER SOURCE(S): MARPAT 119:225964
GI

L7 ANSWER 10 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



I II III

AB The title compds. I [G = (un)substituted Ph, (un)substituted cyclohexyl; X = H, alkyl, aryl, aryloxy, CN, alkoxy, halogen, hydroxy, NO2, CF3, alkylsulfonamido, etc.; Y = CO, R4CR3; R3, R4 = H, alkyl, alkoxy; Z = N, CH; n = 1-3; q = 1, 2; R3R4 = cyclic acetal], useful as cholinesterase inhibitors in the treatment of cognitive dysfunction, are prepd. by the condensation haloalkyl-substituted heterocyclic deriv. II (E = halogen) with indole deriv. III or by the corresponding condensation of haloalkyl-substituted indole derivs. with phenylalkyl-substituted piperazine derivs. Thus, 5-methyl-1H-indole-2,3-dione was condensed with 1-(2-chloroethyl)-4-(phenylmethyl)piperazine, and the condensate treated with ethanolic HCl, producing 5-methyl-1-[2-[4-(phenylmethyl)-1-piperazinyl]ethyl]-1H-indole-2,3-dione dihydrochloride (m.p. 270-275.degree., decompn.).
IT **150561-75-4P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and cholinesterase inhibitory activity of)
RN 150561-75-4 CA
CN 2H-Indol-2-one, 1,3-dihydro-1-[2-[4-(phenylmethyl)-1-piperazinyl]ethyl]-5-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)

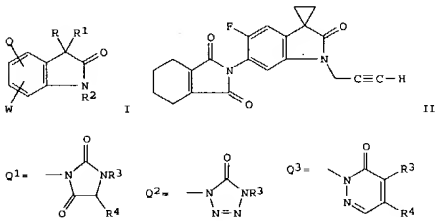


L7 ANSWER 10 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

L7 ANSWER 11 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 119:225817 CA
TITLE: Preparation of substituted indolinones as herbicidal agents
INVENTOR(S): Condon, Michael Edward; Karp, Gary Mitchell
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: Eur. Pat. Appl., 38 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

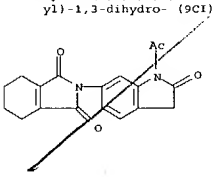
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 549892	A1	19930707	EP 1992-120159	19921126
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
US 5252536	A	19931012	US 1991-815674	19911231
JP 05255246	A2	19931005	JP 1992-358800	19921228
CA 2086359	AA	19930701	CA 1992-2086359	19921229
AU 9230464	A1	19930708	AU 1992-30464	19921230
AU 652500	B2	19940825		
PRIORITY APPLN. INFO.:			US 1991-815674	19911231

OTHER SOURCE(S): MARPAT 119:225817
GI



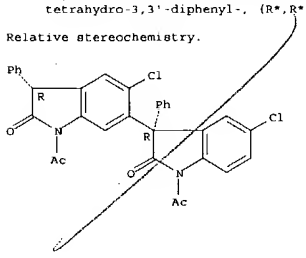
AB Title compds. [I; R, R1 = H, (hydroxy)alkyl, alkoxy, alkylthio, alkenyl, alkynyl, (substituted) cycloalkyl; R R1 = atoms to form (unsatd.) (O-, S-,

L7 ANSWER 11 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
or N-interrupted) C3-7 rings; R2 = H, alkenyl, alkynyl, cyclopropylmethyl, (substituted) (cyclo)alkyl; W = H, halo; Q = Q1, Q2, Q3, etc.; R3, R4 = (halo)(cyclo)alkyl; R3R4 = atoms to complete a (substituted) (O-, S-, or N-interrupted) (unsatd.) 4-7 membered ring], were prepd. Thus, title compd. II, prepd. in several steps starting from 3-FC6H4CH2CO2H via 6-amino-5-fluoro-2-indolinone, at 0.050 kg/ha preemergent gave complete control of barnyardgrass while having only minimal effect on rice.
IT **150544-09-5P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as herbicide)
RN 150544-09-5 CA
CN 2H-Indol-2-one, 1-acetyl-6-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)-1,3-dihydro- (9CI) (CA INDEX NAME)



L7 ANSWER 12 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 116:216335 CA
TITLE: A tandem Cope-Claisen rearrangement reaction of meso-3,3'-diphenylleucoisoindigos
AUTHOR(S): Suyama, Tetsuo; Kato, Takeshi; Morita, Yutaka; Miyamae, Hiroshi
CORPORATE SOURCE: Fac. Pharm. Sci., Josai Univ., Saitama, 350-02, Japan
SOURCE: Heterocycles (**1992**), 33(1), 127-30
CODEN: HTCYAM; ISSN: 0385-5414
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A rearrangement reaction of meso-3,3'-diphenyleucoisoindigos was examd. Structures of the products were detd. as 3,6'-biindollinones by x-ray analyses. The proposed reaction mechanism was a tandem Cope-Claisen-type rearrangement.
IT **141357-57-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, by rearrangement of dichlorodiphenylelucoisoindigo, mechanism of)
RN 141357-57-5 CA
CN [3,6'-Bi-2H-indole]-2,2'-dione, 1,1'-diacetyl-5,5'-dichloro-1,1',3,3'-tetrahydro-3,3'-diphenyl-, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L7 ANSWER 13 OF 47 CA COPYRIGHT 2004 ACS on STN

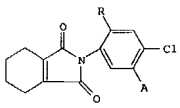
ACCESSION NUMBER: 114:77037 CA
TITLE: Preparation of N-phenyl-3,4,5,6-tetrahydrophthalimide derivatives as plant desiccants and abscission agents
INVENTOR(S): Grossmann, Klaus; Mulder, Christiaan E. G.; Wuerzer, Bruno
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Ger. Offen., 34 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

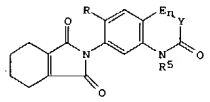
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3905916	A1	19900830	DE 1989-3905916	19890225
IL 93438	A1	19940731	IL 1990-93438	19900219
EP 385231	A1	19900905	EP 1990-103204	19900220
EP 385231	B1	19960918		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL				
US 5045105	A	19910903	US 1990-481262	19900220
ES 2092476	T3	19961201	ES 1990-103204	19900220
BR 9000838	A	19910205	BR 1990-838	19900221
CA 2010827	AA	19900825	CA 1990-2010827	19900223
CA 2010827	C	20000425		
AU 9050113	A1	19900830	AU 1990-50113	19900223
AU 620968	B2	19920227		
ZA 9001383	A	19911030	ZA 1990-1383	19900223
US 37664	E	20020416	US 1996-618334	19960319

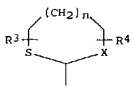
PRIORITY APPLN. INFO.: DE 1989-3905916 A 19890225
US 1990-481262 A5 19900220
US 1993-115595 B1 19930903
US 1994-294789 B1 19940808

OTHER SOURCE(S): CASREACT 114:77037; MARPAT 114:77037
GI

L7 ANSWER 13 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)


I

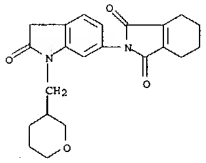

II


Q

AB The title compds. I and II (R = H, F, Cl; A = H, cyanoalkyl, CH:CR1CO2R2, or Q; R1 = H, Cl, Br, CN, alkyl; R2 = H, alkyl, alkenyl, alkynyl, etc.; R3 = H, alkyl, hydroxyalkyl, haloalkyl, etc.; R4 = H, alkyl, hydroxyalkyl, haloalkyl, etc.; R5 = H, alkyl, alkenyl, alkynyl, Bz, tetrahydrofurfuryl, etc.; X = O, S; Y = X, CHR4; Z = X, NR6; R6 = alkyl, alkenyl, alkynyl, alkoxyalkyl; E = O, CH2; n = 0, 1) are prepd. as desiccants and defoliants. The reaction of 4-chloro-3-(1,3-dithiolan-2-yl)aniline (prepn. given) with cyclohexene-1,2-dicarboxylic acid anhydride in AcOH gave I (R = H, A = 1,3-dithiolan-2-yl). In greenhouse expts., I (R = H, A = CH:CBrCO2Me) totally defoliated cotton.

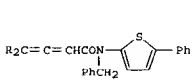
IT **132058-15-2P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as plant defoliants and desiccants)

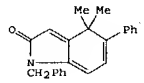
RN 132058-15-2 CA
CN 1H-Isoindole-1,3(2H)-dione, 2-[2,3-dihydro-2-oxo-1-[(tetrahydro-2H-pyran-3-yl)methyl]-1H-indol-6-yl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



L7 ANSWER 14 OF 47 CA COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 113:97378 CA
TITLE: The thiophene nucleus as a diene or a dienophile in the intramolecular Diels-Alder reaction of N-(2-thienyl)allenecarboxamides
AUTHOR(S): Himbert, Gerhard; Schlindwein, Hans Juergen; Maas, Gerhard
CORPORATE SOURCE: Fachber. Chem., Univ. Kaiserslautern, Kaiserslautern, D-6750, Germany
SOURCE: Journal of the Chemical Society, Chemical Communications (1990), (5), 405-6
CODEN: JCCCAT; ISSN: 0022-4936
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 113:97378
GI


I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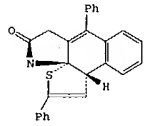
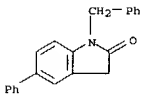

III

AB N-[2-Thienyl]allenecarboxamides undergo an intramol. Diels-Alder reaction, whereby, as a function of the substituents in the allenic .omega.-position, the thiophene nucleus acts as a diene (2 H atoms or 2 Me groups) or as a dienophile (2 Ph groups in the allenic .omega.-position). Thus, dimethylallenecarboxamide I (R = Me) gives (4H)-indolinone II, while diphenylallenecarboxamide I (R = Ph) is too unstable to isolate at room temp., but reacts to give oxopyrrolonaphthothiophene III, whose structure was detd. by x-ray crystallog.

IT **128764-90-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 128764-90-9 CA
CN 2H-Indol-2-one, 1,3-dihydro-5-phenyl-1-(phenylmethyl)- (9CI) (CA INDEX NAME)

L7 ANSWER 14 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



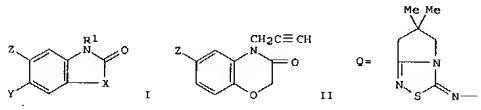
No use

L7 ANSWER 15 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 111:174127 CA
TITLE: Preparation of heterocyclyloxobenzazoles and -azines as herbicides
INVENTOR(S): Ganzer, Michael; Franke, Wilfried; Dorfmeister, Gabrielle; Johann, Gerhard; Arndt, Friedrich; Rees, Richard
PATENT ASSIGNEE(S): Schering A.-G., Fed. Rep. Ger.
SOURCE: Eur. Pat. Appl., 43 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

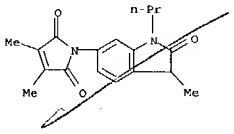
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 311135	A2	19890412	EP 1988-116762	19881010
EP 311135	A3	19890906		
EP 311135	B1	19930602		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
DE 3734745	A1	19890420	DE 1987-3734745	19871009
IL 87887	A1	19930404	IL 1988-87887	19880930
DD 282847	A5	19900926	DD 1988-320543	19881006
SU 1722204	A3	19920323	SU 1988-4356592	19881006
DK 8805634	A	19890410	DK 1988-5634	19881007
FI 8804625	A	19890410	FI 1988-4625	19881007
FI 92585	B	19940831		
FI 92585	C	19941212		
AU 8823568	A1	19890413	AU 1988-23568	19881007
AU 614775	B2	19910912		
BR 8805182	A	19890523	BR 1988-5182	19881007
JP 01157977	A2	19890621	JP 1988-252230	19881007
JP 2765873	B2	19980618		
ZA 8807559	A	19890628	ZA 1988-7559	19881007
HU 49356	A2	19890928	HU 1988-5224	19881007
HU 207330	B	19930329		
CN 1032479	A	19890426	CN 1988-109124	19881008
AT 90091	E	19930615	AT 1988-116762	19881010
ES 2058206	T3	19941101	ES 1988-116762	19881010
PRIORITY APPLN. INFO.:			DE 1987-3734745	19871009

L7 ANSWER 15 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
EP 1988-116762 19881010

OTHER SOURCE(S): CASREACT 111:174127; MARPAT 111:174127
GI



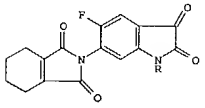
AB The title compds. [I; R1 = H, (un)substituted C1-5 alkyl, C3-5 alkenyl, etc.; X = (CR2R3)nW, CR2:V in which V and W are bound to Ph-moiety; V = CR1, N; W = CR4R5, NR6, O, S; R2-R5 = H, halo, C1-3 (halo)alkyl; R6 = H, Me, halomethyl; Y = H, F, Cl; Z = 1 specific and 7 general heterocyclyl; n = 0, 1] were prepd. Aminobenzoxazinone II (Z = NH2) was stirred 10 h with ClCS in CH2Cl2 contg. CaCO3 to give 84% II (Z = NCS) which was added at 5.degree. to a soln. of 2-amino-4,4-dimethyl-1-pyrroline in CH2Cl2 and the whole stirred 3 h with warming to 20.degree. whereupon the soln. was cooled to -20.degree., Br added, and stirring continued 1 h with warming to 10.degree. to give 25% II (Z = pyrrolothiadiazolylideneimino group Q) which gave complete kill of 9 weeds and no effect on wheat at 0.1 kg/ha postemergent.
IT **123249-70-7P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as herbicide)
RN 123249-70-7 CA
CN 1H-Pyrrole-2,5-dione, 1-(2,3-dihydro-3-methyl-2-oxo-1-propyl-1H-indol-6-yl)-3,4-dimethyl- (9CI) (CA INDEX NAME)



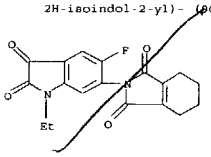
L7 ANSWER 16 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 111:133986 CA
TITLE: Preparation of isatin derivatives as herbicides
INVENTOR(S): Haga, Toru; Nagano, Hideyoshi; Enomoto, Masayuki; Morita, Koichi; Sato, Makoto
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63313770	A2	19881221	JP 1987-150700	19870616
PRIORITY APPLN. INFO.:			JP 1987-150700	19870616

OTHER SOURCE(S): MARPAT 111:133986
GI



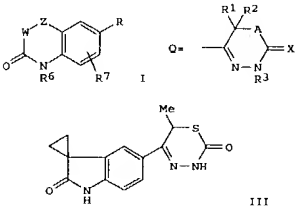
AB The title compds. (I; R = lower alkyl, alkenyl, alkynyl), useful as herbicides, were prepd. N-(5-Fluoro-2,3-dioxoindolin-6-yl)-3,4,5,6-tetrahydrophthalimide (prepn. given) was successively treated with NaH and propargyl bromide to give I (R = CH2C.tplbond.CH) (II). At 20 g/are, II gave complete control of Indian mallow.
IT **121716-58-3P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as herbicide)
RN 121716-58-3 CA
CN 1H-Indole-2,3-dione, 1-ethyl-5-fluoro-6-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)- (9CI) (CA INDEX NAME)



L7 ANSWER 17 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 111:97293 CA
TITLE: Preparation of substituted thiadiazinylindolones or-quinolones useful in the treatment of heart or asthmatic diseases
INVENTOR(S): Martin, Michel; Nadler, Guy; Zimmermann, Richard
PATENT ASSIGNEE(S): Laboratoires Sobio S. A., Fr.
SOURCE: Eur. Pat. Appl., 59 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 303418	A2	19890215	EP 1988-307281	19880805
EP 303418	A3	19901107		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
DK 8804452	A	19890212	DK 1988-4452	19880809
AU 8820566	A1	19890216	AU 1988-20566	19880809
ZA 8805841	A	19890927	ZA 1988-5841	19880809
US 4933336	A	19900612	US 1988-230314	19880809
JP 01110681	A2	19890427	JP 1988-198136	19880810
PRIORITY APPLN. INFO.:			GB 1987-18957	19870811
			GB 1988-11276	19880512

OTHER SOURCE(S): MARPAT 111:97293
GI



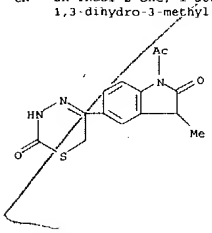
AB The title compds. [I; R = Q; R1 = H, lower alkyl, CH2OR6; R2, R3 = H, lower alkyl; W, Z = different CR4R5, (CR8R9)n; R4 = H, C1-3 alkyl, C1-3 alkylthio, C1-3 alkoxy; R5 = C1-3 alkyl, C1-3 alkylthio, C1-3 alkoxy; or CR4R5 = 3 to 6-membered carbocylic ring or heterocyclic ring contg. 1 or 2

L7 ANSWER 17 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
ring O, N, or S; or R4R5 = O, CH2; R6 = H, lower alkyl, alkylcarbonyl, hetero)arylcarbonyl, aralkylcarbonyl, (un)substituted CONH2, lower alkoxycarbonyl, aryloxycarbonyl; R7 = H, lower alkyl; R8, R9 = H, Cl-3 alkyl; n = 0, 1; X = O, S; A = O, S] (II), were prepd. 5-[(2-Chloro-1-oxo)propyl]-spiro[cyclopropane-1,3'-[3H]-indol]-2'-(1'H)-one (prepn. given), MeOC(S)NHNH2, and MeCN were refluxed 6 h to give 49% thiadiazinylindolone (III). III at 0.03 mg/kg p.o. showed cardiotonic activity in male beagle dogs with first deriv. of left ventricular pressure (dP/dt, mmHg/s) = +105 and heart rate (beats/min) = +21.

IT **122280-65-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as cardiotonic and antiasthmatic)

RN 122280-65-3 CA

CN 2H-Indol-2-one, 1-acetyl-5-(3,6-dihydro-2-oxo-2H-1,3,4-thiadiazin-5-yl)-1,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)



L7 ANSWER 18 OF 47 CA COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 111:52803 CA

TITLE: A new look at the rearrangement of adrenochrome under biomimetic conditions

AUTHOR(S): Palumbo, Anna; D'Ischia, Marco; Misuraca, Giovanna; Prota, Giuseppe

CORPORATE SOURCE: Fac. Farm., Univ. Napoli, Naples, I-80134, Italy

SOURCE: Biochimica et Biophysica Acta (**1989**), 990(3), 297-302
CODEN: BBACAQ; ISSN: 0006-3002

DOCUMENT TYPE: Journal

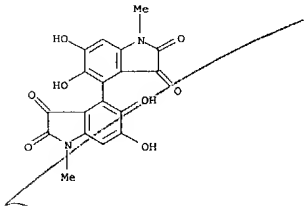
LANGUAGE: English

AB At physiol. pH values, the rearrangement of adrenochrome leads, besides adrenolutin, to a major dimeric compd. consisting of an adrenolutin moiety
covalently linked to the angular 9-position of adrenochrome. When the reaction is carried out in air, the initially generated adrenolutin undergoes autoxidn. to give 5,6-dihydroxy-1-methylisatin (DHMIs), which smoothly oxidized to the 4,4'-dimer. Under an O2-depleted atm., formation
of these latter compds. is prevented, and the rearrangement of adrenochrome leads mainly to the adrenochrome dimer (.apprx.50% yield) along with adrenolutin and 5,6-dihydroxy-1-methylindole (DHMI) in .apprx.10% yield each. The product distribution is markedly dependent on the concn. of the aminochrome undergoing rearrangement, the nature of the buffer system used, and the pH of the medium. Heavy metal ions of common occurrence in biol. systems, such as Cu2+, Zn2+, or Co2+, significantly direct the reaction course toward the formation of adrenolutin, whereas Fe2+ and other cations with low redox potentials induce the almost exclusive formation of DHMI.

IT **121404-59-9P**
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation)
(formation of, in adrenochrome rearrangement under biomimetic conditions)

RN 121404-59-9 CA

CN [4,4'-Bi-1H-indole]-2,2',3,3'-tetrone, 5,5',6,6'-tetrahydroxy-1,1'-dimethyl- (9CI) (CA INDEX NAME)



L7 ANSWER 19 OF 47 CA COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 111:39078 CA

TITLE: Adrenalin oxidation revisited. New products beyond the adrenochrome stage

AUTHOR(S): D'Ischia, Marco; Palumbo, Anna; Prota, Giuseppe

CORPORATE SOURCE: Dep. Org. Biol. Chem., Univ. Naples, Naples, I-80134, Italy

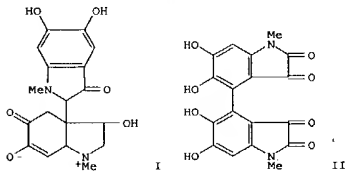
SOURCE: Tetrahedron (**1988**), 44(20), 6441-6
CODEN: TETRAB; ISSN: 0040-4020

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 111:39078

GI



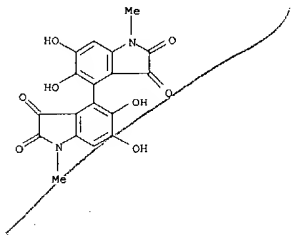
AB In neutral aq. buffer adrenochrome, the first isolable intermediate in the
oxidn. of adrenalin, undergoes rearrangement to give, besides adrenolutin,
a yellow compd. which was assigned the dimeric structure I. Under anaerobic conditions, compd. I is the major reaction product (.apprx.60%).
In the presence of air a more complex pattern of products is formed including, besides I the hitherto unknown 5,6-dihydroxy-1-methyl-2,3-indoledione and the 4,4'-dimer II.

IT **121404-59-9P**
RL: FORM (Formation, nonpreparative); PREP (Preparation)
(formation of, in autoxidn. of adrenochrome)

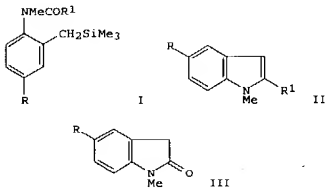
RN 121404-59-9 CA

CN [4,4'-Bi-1H-indole]-2,2',3,3'-tetrone, 5,5',6,6'-tetrahydroxy-1,1'-dimethyl- (9CI) (CA INDEX NAME)

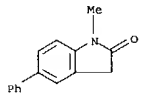
L7 ANSWER 19 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



L7 ANSWER 20 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 109:230711 CA
TITLE: Intramolecular Peterson olefination of o-[(trimethylsilyl)methyl]anilides: a new synthesis of N-methylindoles
AUTHOR(S): Bartoli, Giuseppe; Bosco, Marcella; Dalpozzo, Renato; Todesco, Paolo E.
CORPORATE SOURCE: Dip. Sci. Chim., Univ. Camerino, Camerino, I-62032, Italy
SOURCE: Journal of the Chemical Society, Chemical Communications (1988), (12), 807-8
CODEN: JCCCAT; ISSN: 0022-4936
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 109:230711
GI



AB Intramol. cyclization of (silylmethyl)anilides I (R = OMe, Cl; R1 = CH:CHPh, Ph, C6H4Cl-4) by LiN(CHMe2)2 in THF gave 78-98% N-methylindoles II. Similarly, I (R = OMe, Ph, R1 = OMe) gave 85-98% indolones III. I are obtained in good yield by a general, chemoselective, 1-pot method of reductive alkylation of p-RC6H4NO2 (R = MeO, Cl, Ph) with Me3SiCH2MgCl and then LiAlH4, followed by N-acylation by R1COCl and N-methylation.
IT **117616-11-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 117616-11-2 CA
CN 2H-Indol-2-one, 1,3-dihydro-1-methyl-5-phenyl- (9CI) (CA INDEX NAME)



NOUS

L7 ANSWER 21 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 109:210892 CA
TITLE: 1,3-Disubstituted 2-oxindoles, their preparation, pharmaceutical compositions containing them, and their use as analgesic and antiinflammatory agents
INVENTOR(S): Kadin, Saul B.
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: U.S., 19 pp. Cont.-in-part of U.S. Ser. No. 619,861, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4721712	A	19880126	US 1984-670697	19841113
IN 163263	A	19880827	IN 1985-DE42	19850122
EP 153818	A2	19850904	EP 1985-300724	19850204
EP 153818	A3	19860129		
EP 153818	B1	19890315		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
RO 90621	B1	19861210	RO 1985-117533	19850204
RO 93218	B3	19871231	RO 1985-121802	19850204
EP 276500	A2	19880803	EP 1987-201673	19850204
EP 276500	A3	19890412		
EP 276500	B1	19910515		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 41420	E	19890415	AT 1985-300724	19850204
AT 63543	E	19910615	AT 1987-201673	19850204
ES 540133	A1	19860316	ES 1985-540133	19850205
CS 252480	B2	19870917	CS 1985-785	19850205
CA 1255657	A1	19890613	CA 1985-473576	19850205
IL 74251	A1	19900118	IL 1985-74251	19850205
IL 85348	A1	19900118	IL 1985-85348	19850205
FI 8500491	A	19850808	FI 1985-491	19850206
FI 81796	B	19900831		
FI 81796	C	19901210		
NO 8500443	A	19850808	NO 1985-443	19850206
NO 165798	B	19910102		
NO 165798	C	19910410		
AU 8538467	A1	19850815	AU 1985-38467	19850206
AU 552760	B2	19860619		
DK 8500526	A	19850920	DK 1985-526	19850206
DK 162839	B	19911216		
DK 162839	C	19920504		
JP 60248669	A2	19851209	JP 1985-20163	19850206
JP 04013340	B4	19920309		
HU 37753	A2	19860228	HU 1985-452	19850206
HU 193942	B	19871228		
DD 234417	A5	19860402	DD 1985-273087	19850206
ZA 8500888	A	19860924	ZA 1985-888	19850206
HU 194166	B	19880128	HU 1985-4686	19850206
HU 39159	A2	19860828		
PL 145196	B1	19880831	PL 1985-251869	19850207
PL 145230	B1	19880831	PL 1985-255466	19850207
PL 145310	B1	19880930	PL 1985-255465	19850207
CS 252498	B2	19870917	CS 1985-8156	19851113
CS 252499	B2	19870917	CS 1985-8157	19851113
ES 548944	A1	19860401	ES 1985-548944	19851115
ES 548943	A1	19860416	ES 1985-548943	19851115
US 4658037	A	19870414	US 1985-814719	19851230
DD 244133	A5	19870325	DD 1986-288635	19860401
IN 169128	A	19910907	IN 1987-DE631	19870724
IN 172535	A	19930918	IN 1987-DE632	19870724
CA 1289556	A2	19910924	CA 1989-592243	19890227
FI 82448	B	19901130	FI 1989-4363	19890915
FI 82448	C	19910311		
NO 9001351	A	19850808	NO 1990-1351	19900323
NO 171018	B	19921005		
NO 171018	C	19930113		

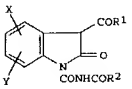
PRIORITY APPLN. INFO.:

US 1984-577903	19840207
US 1984-619861	19840612
US 1984-670697	19841113
IN 1985-DE42	19850122
US 1985-693696	19850122

L7 ANSWER 21 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

	EP 1985-300724	19850204
	EP 1987-201673	19850204
	CA 1985-473576	19850205
	CS 1985-785	19850205
	IL 1985-74251	19850205
	FI 1985-491	19850206
	NO 1985-443	19850206

OTHER SOURCE(S): CASREACT 109:210892; MARPAT 109:210892
GI



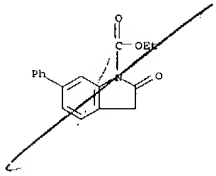
I

AB 2-Oxindoles I [X = H, F, Cl, Br, alkyl, Bz, etc.; Y = H, F, Cl, Br, alkyl, cycloalkyl, alkoxy, alkylthio, CF3; XY = 4,5-, 5,6-, 6,7-OCH2O or -OCH2CH2O, or complete a carbocyclic or oxa- or thiacarbocyclic ring; R1 = (cyclo)alkyl, (un)substituted Ph, phenylalkyl, or phenoxyalkyl; R2 = (cyclo)alkyl, PhOCH2, furyl, thienyl, pyridyl, R3R4C6H3; R3, R4 = H, F, Cl, alkyl, alkoxy, CF3] and their pharmaceutically acceptable base salts, inhibitors of cyclooxygenase and lipoxygenase and thus useful as analgesics and antiinflammatory agents (no data), were prepd. by 3 methods. A soln. of Na in EtOH was successively treated with 2-oxindole and 2-furoyl chloride to give 3-(2-furoyl)-2-oxindole which was refluxed with BzNCO in PhMe 7 h to give I (R1 = 2-furyl, R2 = Ph, X = Y = H).

IT **100487-84-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for oxindole analgesic and antiinflammatory agents)

RN 100487-84-1 CA
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)

L7 ANSWER 21 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



L7 ANSWER 22 OF 47 CA COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 108:131580 CA
TITLE: Preparation and formulation of analgesic and antiinflammatory 1,3-diacyl-2-oxindole compounds
INVENTOR(S): Kadin, Saul B.
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: U.S., 13 pp. Cont.-in-part of U.S. Ser. No. 652,372, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4690943	A	19870901	US 1985-747194	19850620
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FI 8503163	A	19860320	FI 1985-3163	19850816
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FI 80270	B	19900131		
FI 80270	C	19900510		
EP 175551	A1	19860326	EP 1985-306479	19850912
<--				
EP 175551	B1	19890510		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 42950	E	19890515	AT 1985-306479	19850912
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ES 547054	A1	19860716	ES 1985-547054	19850917
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HU 38906	A2	19860728	HU 1985-3496	19850917
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HU 194165	B	19880128		
PL 145950	B1	19881231	PL 1985-255399	19850917
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CA 1256104	A1	19890620	CA 1985-490913	19850917
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DK 8504224	A	19860320	DK 1985-4224	19850918
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DK 162443	B	19911028		
DK 162443	C	19920323		
AU 8547561	A1	19860410	AU 1985-47561	19850918
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AU 556948	B2	19861127		
IL 76405	A1	19900319	IL 1985-76405	19850918
<--				
IL 87454	A1	19900319	IL 1985-87454	19850918
<--				
JP 61078765	A2	19860422	JP 1985-207738	19850919
<--				
JP 04009781	B4	19920221		
US 4752609	A	19880621	US 1987-1261	19870107
<--				
US 4808601	A	19890228	US 1988-196187	19880519
<--				

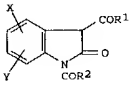
PRIORITY APPLN. INFO.:

US 1984-652372	19840919
US 1985-747194	19850620
EP 1985-306479	19850912

L7 ANSWER 22 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

IL 1985-76405	19850918
US 1987-1261	19870107

OTHER SOURCE(S): CASREACT 108:131580
GI

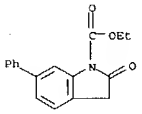


I

AB Title compds. I [X = H, Br, Cl, F, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy, C1-4 alkylthio, F3C, O2N, Ph, etc.; Y = H, Br, Cl, F, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy, C1-4 alkylthio, F3C; R1 = C1-6 alkyl, C3-7 cycloalkyl, (un)substituted Ph, (un)substituted phenylalkyl, (un)substituted phenoxyalkyl, etc.; R2 = C1-5 alkyl] and their salts, useful as analgesic and antiinflammatory agents (no data), are prepd. 3-(2-Thenoyl)-2-oxindole, prepd. by acylation of 2-oxindole, in DMF was added to 4-(dimethylamino)pyridine, the resulting mixt. treated with Ac2O in DMF, and then poured in H2O and HCl, to give I (X, Y = H; R1 = thienyl; R2 = Me).

IT **100487-84-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of)

RN 100487-84-1 CA
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



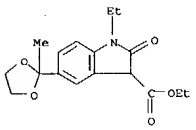
L7 ANSWER 23 OF 47 CA COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 108:112227 CA
TITLE: Preparation and formulation of oxindolecarboxamides and derivatives as antiinflammatory agents
INVENTOR(S): Melvin, Lawrence S., Jr.
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: U.S., 21 pp. Cont.-in-part of U.S. 4,644,005.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4686224	A	19870811	US 1985-762998	19850806
US 4644005	A	19870217	US 1984-666953	19841031
IL 76854	A1	19890515	IL 1985-76854	19851028
IL 87997	A1	19900726	IL 1985-87997	19851028
EP 181136	A2	19860514	EP 1985-307794	19851029
EP 181136	A3	19871028		
EP 181136	B1	19920325		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
PL 145239	B1	19880831	PL 1985-255990	19851029
PL 150842	B1	19900731	PL 1985-262327	19851029
AT 74128	E	19920415	AT 1985-307794	19851029
DK 8504976	A	19860501	DK 1985-4976	19851030
DK 163990	B	19920427		
DK 163990	C	19920921		
FI 8504258	A	19860501	FI 1985-4258	19851030
FI 81340	B	19900629		
FI 81340	C	19901010		
AU 8549189	A1	19860508	AU 1985-49189	19851030
AU 555051	B2	19860911		
JP 61109767	A2	19860528	JP 1985-243813	19851030
JP 03078854	B4	19911217		
HU 39428	A2	19860929	HU 1985-4158	19851030
HU 194168	B	19880128		
CA 1247099	A1	19881220	CA 1985-494220	19851030
ES 554609	A1	19870816	ES 1986-554609	19860430

PRIORITY APPLN. INFO.: US 1984-666953 19841031

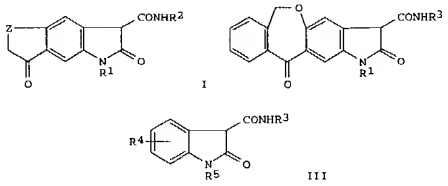
L7 ANSWER 23 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



L7 ANSWER 23 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

	US 1985-762998	19850806
	IL 1985-76854	19851028
	EP 1985-307794	19851029

OTHER SOURCE(S): CASREACT 108:112227
GI



AB Title compds. I [R1 = C1-3 alkyl, Ph; R2 = (un)substituted Ph, pyridyl, 2-thiazolyl, 5-methyl-2-thiazolyl; Z = O, CH2], II (R3 = R2), and III [R3 = (un)substituted Ph, 2-thiazolyl, 5-methyl-2-thiazolyl, -3-isoxazolyl, 2-thiadiazolyl, 2-pyrimidyl; R4 = C2-6 alkanoyl, C4-6 cycloalkanoyl, C2-3 alkoxycarbonyl, 2-thenoyl, (un)substituted benzoyl, thenylacetyl, at 5-, 6-, 7-position of oxindole, R5 = H, C1-3 alkyl] and their salts, useful as antiinflammatory agents (no data), were prepd. Et 5-benzoyloxindole-3-carboxylate and 4-FC6H4NH2 in C6H6 were heated to reflux, the reaction cooled, HCl added, and the org. phase sepd. to give III (R3 = 4-FC6H4; R4 = 5-benzoyl; R5 = Et).

IT **104018-62-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and amidation of)

RN 104018-62-4 CA
CN 1H-Indole-3-carboxylic acid, 1-ethyl-2,3-dihydro-5-(2-methyl-1,3-dioxolan-2-yl)-2-oxo-, ethyl ester (9CI) (CA INDEX NAME)

L7 ANSWER 24 OF 47 CA COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 107:70811 CA
TITLE: 2-Aryl-3,4-diazabicyclo[4.n.0]alk-2-en-5-ones as drugs for treatment of cardiac insufficiency
INVENTOR(S): Geiss, Karl Heinz; Thyes, Marco; Koenig, Horst; Lehmann, Hans Dieter; Traut, Martin; Gries, Josef; Rossy, Phillip A.
PATENT ASSIGNEE(S): BASF A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 7 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3535170	A1	19870416	DE 1985-3535170	19851002
JP 62081314	A2	19870414	JP 1986-225076	19860925
EP 220519	A2	19870506	EP 1986-113417	19860930
EP 220519	A3	19890913		
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
US 4772598	A	19880920	US 1986-914729	19861001

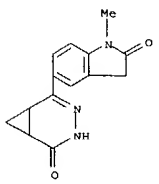
PRIORITY APPLN. INFO.: DE 1985-3535170 19851002

GI For diagram(s), see printed CA Issue.

AB The title compds. I (R-R4 = H, alkyl; m, n = 1-3) are prepd. as drugs for the treatment of heart insufficiency. The reaction of indolin-2-one with cyclobutanedicarboxylic acid anhydride, in AlCl3-contg. DMF gave cis-2-(indolin-2-on-5-oyl)cyclobutanecarboxylic acid, which was refluxed with H2NH2.H2O in EtOH for 11 h, to give 2-(indolin-2-on-5-yl)-3,4-diazabicyclo[4.2.0]oct-2-en-5-one (II). Tablets were made of II 10, polyvinylpyrrolidone 170, polyethylene glycol 14, hydroxypropylenemethylcellulose 40, talc 4 and Mg stearate 2 mg.

IT **85123-66-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as drug for cardiac insufficiency)

RN 85123-66-6 CA
CN 3,4-Diazabicyclo[4.1.0]hept-4-en-2-one, 5-(2,3-dihydro-1-methyl-2-oxo-1H-indol-5-yl)- (9CI) (CA INDEX NAME)

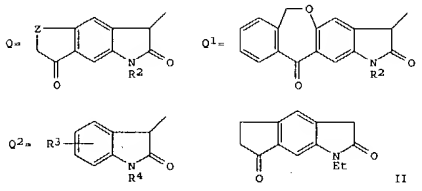


L7 ANSWER 24 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

L7 ANSWER 25 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 105:152922 CA
TITLE: Oxindole antiinflammatory agents
INVENTOR(S): Lawrence, Melvin Sherman, Jr.
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: Eur. Pat. Appl., 68 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 181136 <--	A2	19860514	EP 1985-307794	19851029
EP 181136	A3	19871028		
EP 181136	B1	19920325		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4644005 <--	A	19870217	US 1984-666953	19841031
US 4686224 <--	A	19870811	US 1985-762998	19850806
AT 74128 <--	E	19920415	AT 1985-307794	19851029
PRIORITY APPLN. INFO.:			US 1984-666953	19841031
			US 1985-762998	19850806
			EP 1985-307794	19851029

OTHER SOURCE(S): CASREACT 105:152922
GI

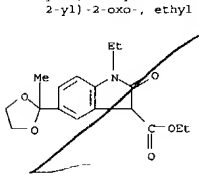


AB Oxindolecarboxamide deriva. RCONHR1 [I; R = Q-Q2; R1 = pyridyl, 2-thiazolyl, 5-methyl-2-thiazolyl, 2-thiadiazolyl, 2-pyrimidyl, (un)substituted Ph; R2 = Ph, alkyl; R3 = alkanoyl, cycloalkanoyl, alkoxycarbonyl, 2-thenoyl, PhCH2CO, (un)subatituted Bz; R4 = H, alkyl; Z =

L7 ANSWER 25 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
O, CH2] are prepd. as antiinflammatory agents (no data). Thus, cyclopenta[f]indole deriv. II (prepd. in 5 steps from 1-ethyloxindole) was added to NaH in DMF, followed by 2,4-F2C6H3NCO, to give 79% I [R = Q, R1 = 2,4-F2C6H3, R2 = Et, Z = CH2). Approx. 74 other I and several synthetic intermediates are also prepd.

IT **104018-62-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and amidation of, by difluoroaniline)

RN 104018-62-4 CA
CN 1H-Indole-3-carboxylic acid, 1-ethyl-2,3-dihydro-5-(2-methyl-1,3-dioxolan-2-yl)-2-oxo-, ethyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 26 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 105:133745 CA
TITLE: 1,3-Diacyl-2-oxindoles
INVENTOR(S): Kadin, Saul Bernard
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: Eur. Pat. Appl., 46 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 175551 <--	A1	19860326	EP 1985-306479	19850912
EP 175551	B1	19890510		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4690943 <--	A	19870901	US 1985-747194	19850620
AT 42950 <--	E	19890515	AT 1985-306479	19850912
PRIORITY APPLN. INFO.:			US 1984-652372	19840919
			US 1985-747194	19850620
			EP 1985-306479	19850912

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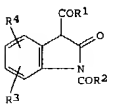
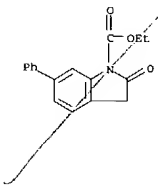


AB The title compds. [I; R1 = naphthyl, cycloalkyl, cycloalkenyl, (un)substituted alkyl, R2 = alkyl; R3 = H, F, Cl, Br, allyl, cycloalkyl, alkoxy, alkylthio, CF3; R4 = R3, alkylsulfinyl, alkylsulfonyl, NO2, Ph, alkanoyl, Bz, thenoyl, alkanamido, BzNH, dialkylsulfamoyl] were prepd. as analgesics and antiinflammatories (no data). Thus, 13.3 g oxindole was acylated with 16.8 g Et 3-furoate to give 0.705 g 3-(3-furoyl)oxindole. This was acetylated to give 73% I (R1 = 3-furoyl, R2 = Me, R3 = R4 = H).

IT **100487-84-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and deethoxycarbonylation of)

RN 100487-84-1 CA
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)

L7 ANSWER 26 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



L7 ANSWER 27 OF 47 CA COPYRIGHT 2004 ACS on STN

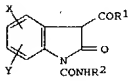
ACCESSION NUMBER: 105:42644 CA
TITLE: N,3-Disubstituted 2-oxindole-1-carboxamides as analgesic and antiinflammatory agents
INVENTOR(S): Kadin, Saul B.
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: U.S., 20 pp. Cont.-in-part of U.S. Ser. No. 607,356, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4569942	A	19860211	US 1985-714012	19850322
IN 161509	A	19871219	IN 1985-DE288	19850408
EP 164860	A1	19851218	EP 1985-303044	19850430
EP 164860	B1	19890705		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
EP 244918	A2	19871111	EP 1987-200969	19850430
EP 244918	A3	19890222		
EP 244918	B1	19900613		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 44380	E	19890715	AT 1985-303044	19850430
AT 53576	E	19900615	AT 1987-200969	19850430
DK 8501976	A	19851105	DK 1985-1976	19850502
DK 162644	B	19911125		
DK 162644	C	19920413		
JP 60243068	A2	19851203	JP 1985-95275	19850502
JP 03035315	B4	19910527		
DD 232916	A5	19860212	DD 1985-275898	19850502
IL 75077	A1	19880331	IL 1985-75077	19850502
CA 1255658	A1	19890613	CA 1985-480573	19850502
FI 8501756	A	19851105	FI 1985-1756	19850503
FI 80016	B	19891229		
FI 80016	C	19900410		
NO 8501774	A	19851105	NO 1985-1774	19850503
NO 163132	B	19900102		
NO 163132	C	19900411		
AU 8541938	A1	19851107	AU 1985-41938	19850503
AU 554290	B2	19860814		
ES 542813	A1	19860716	ES 1985-542813	19850503
ZA 8503324	A	19861230	ZA 1985-3324	19850503
RO 91141	B3	19870630	RO 1985-118604	19850503
RO 94455	B3	19880630	RO 1985-123678	19850503
PL 145416	B1	19880930	PL 1985-253203	19850503
PL 147508	B1	19890630	PL 1985-257892	19850503
CS 252828	B2	19871015	CS 1985-3202	19850504
RU 2017729	C1	19940815	RU 1985-3891002	19850504
CN 85103527	A	19870128	CN 1985-103527	19850506
CN 1009197	B	19900815		
HU 37754	A2	19860228	HU 1985-1693	19850531
HU 196057	B	19880928		
ES 551275	A1	19870716	ES 1986-551275	19860127
CS 252847	B2	19871015	CS 1986-1189	19860220
SU 1468413	A3	19890323	SU 1986-4027453	19860512
IN 165980	A	19900217	IN 1986-DE1077	19861209
CA 1287626	A2	19910813	CA 1989-592245	19890228

PRIORITY APPLN. INFO.:

US 1984-607356	19840504
US 1985-714012	19850322
IN 1985-DE288	19850408
EP 1985-303044	19850430
EP 1987-200969	19850430
CA 1985-480573	19850502
CS 1985-3202	19850504

OTHER SOURCE(S): CASREACT 105:42644
GI



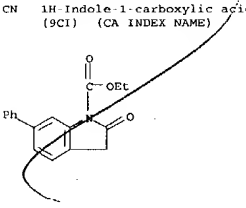
I

L7 ANSWER 27 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

AB Oxindolecarboxamides I [X = H, F, Cl, Br, NO2, alkyl, cycloalkyl, alkoxy, acyl, CF3, etc.; Y = H, F, Cl, Br, alkyl, cycloalkyl, alkoxy, alkylthio; XY = OCH2O, OCH2CH2O; XY complete a 5- or 6-membered carbocycle or 5-membered oxa- or thiocarbocycle; R1 = alkyl, cycloalkyl, cycloalkenyl, (un)substituted phenyl- or phenoxyalkyl, bicycloheptanyl, etc.; R2 = alkyl, cycloalkyl, PhCH2, furyl, thienyl, pyridyl, (un)substituted Ph], useful as analgesics and antiinflammatories at 0.02-1.0 g/day, were prepd.
3-Acetyl-2-oxindole in PhMe was treated with PhNCO and the mixt. refluxed 7 h to give I (R1 = Me, R2 = Ph, X = Y = H).

IT **100487-84-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and decarbethoxylation of)

RN 100487-84-1 CA
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 28 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 105:24187 CA
TITLE: 3-Substituted 2-oxindole-1-carboxamides as analgesic and antiinflammatory agents
INVENTOR(S): Kadin, Saul B.
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: U.S., 7 pp. Cont.-in-part of U.S. Ser. No. 590,659, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4556672	A	19851203	US 1984-684634	19841221
IN 162090	A	19880326	IN 1985-DE147	19850221
EP 156603	A2	19851002	EP 1985-301808	19850315
EP 156603	A3	19860212		
EP 156603	B1	19890823		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
CA 1251441	A1	19890321	CA 1985-476605	19850315
AT 45731	E	19890915	AT 1985-301808	19850315
DK 8501213	A	19850920	DK 1985-1213	19850318
DK 162090	B	19910916		
DK 162090	C	19920224		
FI 8501069	A	19850920	FI 1985-1069	19850318
FI 82042	B	19900928		
FI 82042	C	19910110		
NO 8501054	A	19850920	NO 1985-1054	19850318
NO 165799	B	19910102		
NO 165799	C	19910410		
AU 8540059	A1	19850926	AU 1985-40059	19850318
AU 549927	B2	19860220		
ES 541372	A1	19851216	ES 1985-541372	19850318
HU 37398	A2	19851228	HU 1985-992	19850318
HU 196178	B	19881028		
DD 232039	A5	19860115	DD 1985-274214	19850318
ZA 8501991	A	19861126	ZA 1985-1991	19850318
IL 74631	A1	19880731	IL 1985-74631	19850318
IL 85130	A1	19880731	IL 1985-85130	19850318

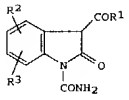
L7 ANSWER 28 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

SU 1445556	A3	19881215	SU 1985-3869754	19850318
PL 145951	B1	19881231	PL 1985-252434	19850318
JP 60209564	A2	19851022	JP 1985-55627	19850319
JP 04037076	B4	19920618		
RO 90952	B3	19870227	RO 1985-118055	19850319
CS 249539	B2	19870312	CS 1985-1920	19850319
CN 85101028	A	19870117	CN 1985-101028	19850401
CN 1008733	B	19900711		
CN 85101795	A	19870408	CN 1985-101795	19850401
CN 1003855	B	19890412		
FI 8904540	A	19890926	FI 1989-4540	19890926
FI 82449	B	19901130		
FI 82449	C	19910311		
JP 04235165	A2	19920824	JP 1991-132826	19910604
JP 05061269	B4	19930906		

PRIORITY APPLN. INFO.:

US 1984-590659	19840319
US 1984-684634	19841221
EP 1985-301808	19850315
FI 1985-1069	19850318
IL 1985-74631	19850318

OTHER SOURCE(S): CASREACT 105:24187
GI



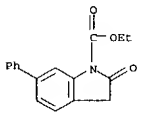
I

AB Oxindoles I [R1 = C1-6 alkyl, C3-7 cycloalkyl, (un)substituted Ph, naphthyl, (CH2)nQR (Q = divalent heterocycle radical; R = H, C1-3 alkyl), etc.; R2 = H, F, Br, Cl, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy, alkylthio, -sulfinyl, -sulfonyl, NO2, Ph, C2-4 alkanoyl, Bz, thenoyl, C2-4 alkanamido, BzNH, di-C1-3 alkylsulfamoyl, CF3; R3 = H, F, Cl, Br, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy, alkylthio, CF3; R2R3 = 4,5-, 5,6-,

L7 ANSWER 28 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
6,7-OCH2O or OCH2CH2O, (CH2)n (n = 3,4), CH:CHCH:CH, XCH2CH2 (X = O, S), XCH:CH], useful as analgesics and antiinflammatories at 0.01-1.0 g/day, were prepd. 5-Chloro-2-oxindole reacted with Me2CHCONCO in refluxing PhMe to give N-isobutyryl-5-chloro-2-oxindole-1-carboxamide which was hydrolyzed with 1N KOH to give 5,2-Cl(H2NCONH)C6H3CH2CO2H This was cyclized with (F3CCO)2O in refluxing F3CCO2H 1 h to give 5-chloro-2-oxindole-1-carboxamide which was acylated with 2-thenoyl chloride in DMF and 4-(dimethylamino)pyridine to give I (R1 = 2-thienyl, R2 = 5-Cl, R3 = H).

IT **100487-84-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and decarboethoxylation of)

RN 100487-84-1 CA
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 29 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 104:224834 CA
TITLE: N,3-disubstituted 2-oxindole-1-carboxamides as analgesic and antiinflammatory agents
INVENTOR(S): Saul, Bernard Kadin
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: Eur. Pat. Appl., 71 pp
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 164860	A1	19851218	EP 1985-303044	19850430
EP 164860	B1	19890705		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4569942	A	19860211	US 1985-714012	19850322
EP 244918	A2	19871111	EP 1987-200969	19850430
EP 244918	A3	19890222		
EP 244918	B1	19900613		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 44380	E	19890715	AT 1985-303044	19850430
CS 252847	B2	19871015	CS 1986-1189	19860220
IN 165980	A	19900217	IN 1986-DE1077	19861209
CA 1287626	A2	19910813	CA 1989-592245	19890228

PRIORITY APPLN. INFO.:

US 1984-607356	19840504
US 1985-714012	19850322
IN 1985-DE288	19850408
EP 1985-303044	19850430
CA 1985-480573	19850502
CS 1985-3202	19850504

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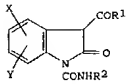


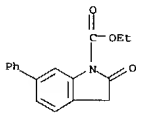
I

AB The title compds. I (X = H, Br, Cl, F, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy, -alkylthio, Ph, thenoyl, etc.; Y = H, Br, Cl, F, CF3, etc.; XY =

L7 ANSWER 29 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
OCH2O, etc.; R1 = C1-6 alkyl, C3-7 cycloalkyl, C4-7 cycloalkyl, C4-7 cycloalkenyl, (un)substituted Ph, etc.; R2 = C1-6 alkyl, C3-7 cycloalkyl, (un)substituted Ph, heterocyclyl) useful as analgesics and antiinflammatory agents, were prepd. Thus, 3-acetyl-2-oxindole in PhMe was added to PhNCO and refluxed for 7 h to give I (X, Y = H; R1 = Me; R2 = Ph).

IT **100487-84-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and hydrolysis of)

RN 100487-84-1 CA
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 30 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 104:109468 CA
TITLE: 3-Substituted 2-oxindole-1-carboxamides as analgesic and antiinflammatory agents
INVENTOR(S): Kadin, Saul Bernard
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: Eur. Pat. Appl., 87 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 156603	A2	19851002	EP 1985-301808	19850315
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EP 156603	A3	19860212		
EP 156603	B1	19890823		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4556672	A	19851203	US 1984-684634	19841221
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AT 45731	E	19890915	AT 1985-301808	19850315
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PRIORITY APPLN. INFO.:			US 1984-590659	19840319
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			EP 1985-301808	19850315

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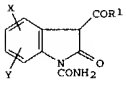


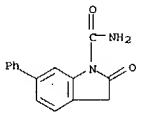
I

AB The title compds. I (X = H, halo, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy, alkylthio, CF3, NO2, Ph, C2-4 alkanoyl, etc.; Y = H, halo, C1-4 alkyl, alkoxy, alkylthio, C3-7 cycloalkylthio, CF3; XY = 4,5-, 5,6- or 6,7-ethylene- or -methylenedioxy, etc.; R1 = C1-6 alkyl, C3-7 cycloalkyl, (un)substituted Ph, C4-7 cycloalkenyl, naphthyl, (CH2)nQR, etc., Q = heterocyclyl, R = H, C1-3 alkyl; n = 0-2) and their salts, useful as analgesics and inflammation inhibitors, were prepd. Thus, 5-chloro-2-oxindole-1-carboxamide in 4-(dimethylamino)pyridine was reacted with 2-thenoyl chloride to give 5-chloro-3-(2-thenoyl)-2-oxindole-1-carboxamide (I; X = 5-Cl, Y = H, R1 = 2-thienyl). The analgesic and antiinflammatory activities of I were demonstrated in mice and rats, resp.

IT **100599-23-3P**

L7 ANSWER 30 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and acylation of)

RN 100599-23-3 CA
CN 1H-Indole-1-carboxamide, 2,3-dihydro-2-oxo-6-phenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 31 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 104:109466 CA
TITLE: 2-Oxindole-1-carboxamides and their intermediates
INVENTOR(S): Crawford, Thomas Charles
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: Eur. Pat. Appl., 64 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 155828	A2	19850925	EP 1985-301807	19850315
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EP 155828	A3	19860205		
EP 155828	B1	19900919		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
IN 162626	A	19880618	IN 1985-DE155	19850226
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CA 1250832	A1	19890307	CA 1985-476599	19850315
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AT 56704	E	19901015	AT 1985-301807	19850315
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DK 8501214	A	19850920	DK 1985-1214	19850318
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DK 163662	B	19920323		
DK 163662	C	19920831		
FI 8501068	A	19850920	FI 1985-1068	19850318
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FI 85265	B	19911213		
FI 85265	C	19920325		
NO 8501059	A	19850920	NO 1985-1059	19850318
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NO 168639	B	19911209		
NO 168639	C	19920318		
AU 8540058	A1	19850926	AU 1985-40058	19850318
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AU 552119	B2	19860522		
ES 541373	A1	19851216	ES 1985-541373	19850318
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HU 37397	A2	19851228	HU 1985-993	19850318
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HU 194825	B	19880328		
DD 232265	A5	19860122	DD 1985-274213	19850318
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ZA 8501994	A	19861126	ZA 1985-1994	19850318
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IL 74630	A1	19880429	IL 1985-74630	19850318
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PL 145873	B1	19881130	PL 1985-252433	19850318
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SU 1630611	A3	19910223	SU 1985-3869756	19850318
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JP 60209565	A2	19851022	JP 1985-55628	19850319
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JP 03042270	B4	19910626		
RO 90953	B3	19870227	RO 1985-118054	19850319
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L7 ANSWER 31 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

CS 250680	B2	19870514	CS 1985-1921	19850319
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CN 85101029	A	19870124	CN 1985-101029	19850401
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CN 1007428	B	19900404		
US 4665194	A	19870512	US 1985-754318	19850712
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US 4652658	A	19870324	US 1986-888297	19860722
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CA 1253490	A2	19890502	CA 1988-566447	19880510
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JP 03178963	A2	19910802	JP 1990-336861	19901130
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JP 05025875	B4	19930414		
DK 9100645	A	19910411	DK 1991-645	19910411
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DK 165179	B	19921019		
DK 165179	C	19930301		
PRIORITY APPLN. INFO.:			US 1984-590667	19840319
			US 1984-684889	19841221
			CA 1985-476599	19850315
			EP 1985-301807	19850315
			US 1985-754318	19850712

OTHER SOURCE(S): CASREACT 104:109466
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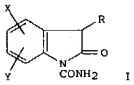
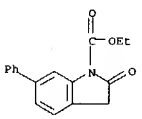


AB The title compds. I [X = H, halo, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy or alkylthio, CF3, Ph, NO2, etc.; Y = H, halo, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy or alkylthio, CF3; XY = 4,5-, 5,6-, or 6,7-ethylene- or methylenedioxy, etc.; R = H or COR1, R1 = C1-6 alkyl, C3-7 cycloalkyl, C4-7 cycloalkenyl, Ph, (un)substituted Ph, heterocyclyl, etc.], useful as intermediates for analgesic and antiinflammatory agents, were prepd. by reaction of an oxindole with ClSO2NCO to the appropriate (chlorosulfonyl)indolecarboxamide which is then hydrolyzed to I. Thus, 1.20 g ClSO2NCO was reacted with 2-oxindole in Et2O, and the residue formed acidified to give 0.18 g 2-oxindole-1-carboxamide.

IT **100487-84-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

L7 ANSWER 31 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
(prepn. and decarboxylation of)

RN 100487-84-1 CA
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 32 OF 47 CA COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 104:88427 CA
TITLE: 1,3-Disubstituted 2-oxindoles as analgesic and anti-inflammatory agents
INVENTOR(S): Kadin, Saul Bernard
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: Eur. Pat. Appl., 65 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 153818	A2	19850904	EP 1985-300724	19850204
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EP 153818	A3	19860129		
EP 153818	B1	19890315		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4721712	A	19880126	US 1984-670697	19841113
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IN 163263	A	19880827	IN 1985-DE42	19850122
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RO 90621	B1	19861210	RO 1985-117533	19850204
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RO 93218	B3	19871231	RO 1985-121802	19850204
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EP 276500	A2	19880803	EP 1987-201673	19850204
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EP 276500	A3	19890412		
EP 276500	B1	19910515		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 41420	E	19890415	AT 1985-300724	19850204
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CS 252480	B2	19870917	CS 1985-785	19850205
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IL 85348	A1	19900118	IL 1985-85348	19850205
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FI 8500491	A	19850808	FI 1985-491	19850206
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FI 81796	B	19900831		
FI 81796	C	19901210		
DD 234417	A5	19860402	DD 1985-273087	19850206
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ZA 8500888	A	19860924	ZA 1985-888	19850206
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HU 194166	B	19880128	HU 1985-4686	19850206
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HU 39159	A2	19860828		
PL 145196	B1	19880831	PL 1985-251869	19850207
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PL 145230	B1	19880831	PL 1985-255466	19850207
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PL 145310	B1	19880930	PL 1985-255465	19850207
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CS 252498	B2	19870917	CS 1985-8156	19851113
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CS 252499	B2	19870917	CS 1985-8157	19851113
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L7 ANSWER 32 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

US 4658037	A	19870414	US 1985-814719	19851230
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DD 244133	A5	19870325	DD 1986-288635	19860401
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IN 172535	A	19930918	IN 1987-DE632	19870724
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CA 1289556	A2	19910924	CA 1989-592243	19890227
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FI 82448	B	19901130	FI 1989-4363	19890915
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FI 82448	C	19910311		
NO 9001351	A	19850808	NO 1990-1351	19900323
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NO 171018	B	19921005		
NO 171018	C	19930113		
PRIORITY APPLN. INFO.:			US 1984-577903	19840207
			US 1984-619861	19840612
			US 1984-670697	19841113
			IN 1985-DE42	19850122
			US 1985-693696	19850122
			EP 1985-300724	19850204
			CA 1985-473576	19850205
			CS 1985-785	19850205
			IL 1985-74251	19850205
			FI 1985-491	19850206
			NO 1985-443	19850206

OTHER SOURCE(S): CASREACT 104:88427
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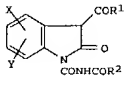
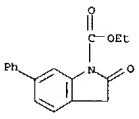


AB The title compds. I (R1 = C1-6 alkyl, C3-7 cycloalkyl (un)substituted Ph, phenylalkyl, phenoxyalkyl, naphthyl, (CH2)nQR, Q = heterocyclyl, R = H or C1-3 alkyl, n = 0-2; R2 = C1-6 alkyl, C3-7 cycloalkyl, (un)substituted Ph, heterocyclyl; X = H, halo, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy, C1-4 alkylthio, CF3, etc.; Y = H, halo, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy, C1-4 alkylthio, CF3; XY = 4,5-, 5,6-, and 6,7-ethylene- or methylenedioxy, etc.) and their salts, useful as analgesic and antiinflammatory agents, were prepd. Thus, 909 mg 3-(2-furoyl)-2-indolone

L7 ANSWER 32 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
was refluxed with 706 mg benzoyl isocyanate to give 920 mg
N-benzoyl-3-(2-furoyl)-2-oxoindole-1-carboxamide.
IT **100487-84-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and decarboxylation of)
RN 100487-84-1 CA
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 33 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 102:149290 CA
TITLE: Triazine derivatives and pharmaceutical compositions comprising them
INVENTOR(S): Teraji, Tsutomu; Shiokawa, Youichi; Okumura, Kazuo; Sato, Yoshinari
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd. , Japan
SOURCE: Eur. Pat. Appl., 80 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 122494	A2	19841024	EP 1984-103030	19840320
EP 122494	A3	19861126		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4581356	A	19860408	US 1984-588343	19840312
DK 8401628	A	19840923	DK 1984-1628	19840321
JP 59181275	A2	19841015	JP 1984-55552	19840322
PRIORITY APPLN. INFO.:			GB 1983-7831	19830322
			GB 1983-10437	19830418

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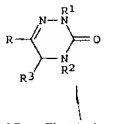
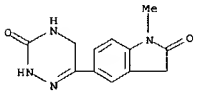


I

AB The triazine derivs. I [R = (un)substituted 1,2,3,4-tetrahydroquinolyl, 2-oxo-1,2,3,4-tetrahydroquinolyl, 2-oxo-1,2-dihydroquinolyl, indolyl, 2-oxindolinyl, benzothiazolyl, 2-oxobenzothiazolinyl, 3,4-dihydro-1H-2,1-benzothiazinyl in which the S atom may be oxidized, or 3-oxo-2,3-dihydro-4H-1,4-benzoxazinyl; R1 = H, alkenyl, PhCH2, carboxyalkyl, alkoxycarbonylalkyl; R2, R3 = H, alkyl; R2R3 = bond] were prepd. for treatment of hypertension, thrombosis, and ulcer. Thus, 1-methyl-2-oxo-1,2,3,4-tetrahydroquinoline was treated with 2-phthalimidoacetyl chloride and AlCl3 followed by hydrolysis to give 6-(aminoacetyl)-1-methyl-2-oxo-1,2,3,4-tetrahydroquinoline-HCl, which was treated with EtO2CCOCl and the product cyclized with H2NNH2.H2O to give 6-(1-methyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)-4,5-dihydro-1,2,4-

L7 ANSWER 33 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
triazin-3(2H)-one (II). At 1 mg/kg II reduced the blood pressure in rats by 49%. The platelet aggregation inhibition ID50 of II was 3.6 .times. 10-7, and at 32 mg/kg II inhibited ulcers in rats by 80%.
IT **95657-55-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and platelet aggregation inhibition activity of)
RN 95657-55-9 CA
CN 2H-Indol-2-one, 1,3-dihydro-1-methyl-5-(2,3,4,5-tetrahydro-3-oxo-1,2,4-triazin-6-yl)- (9CI) (CA INDEX NAME)



L7 ANSWER 34 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 98:143442 CA
TITLE: 2-Aryl-3,4-diazabicyclo[4.n.0]alk-2-en-5-ones and pharmaceuticals containing these compounds
INVENTOR(S): Rossy, Phillip A.; Thyes, Marco; Franke, Albrecht; Koenig, Horst; Gries, Josef; Lehmann, Hans Dieter; Lenke, Dieter
PATENT ASSIGNEE(S): Basf A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 24 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3124699	A1	19830113	DE 1981-3124699	19810624
US 4474785	A	19841002	US 1982-385272	19820604
CA 1171412	A1	19840724	CA 1982-404625	19820607
IL 66009	A1	19860228	IL 1982-66009	19820608
EP 68310	A1	19830105	EP 1982-105281	19820616
EP 68310	B1	19840808		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 8891	E	19840815	AT 1982-105281	19820616
FI 8202203	A	19821225	FI 1982-2203	19820618
FI 73425	B	19870630		
FI 73425	C	19871009		
DK 8202814	A	19821225	DK 1982-2814	19820623
NO 8202102	A	19821227	NO 1982-2102	19820623
JP 58000975	A2	19830106	JP 1982-106986	19820623
AU 8285153	A1	19830113	AU 1982-85153	19820623
AU 548396	B2	19851212		
ES 513391	A1	19830316	ES 1982-513391	19820623
ZA 8204438	A	19830525	ZA 1982-4438	19820623
HU 30259	O	19840328	HU 1982-2034	19820623
HU 188179	B	19860328		
CS 227692	P	19840514	CS 1982-4710	19820624
PRIORITY APPLN. INFO.:			DE 1981-3124699	19810624
			EP 1982-105281	19820616

OTHER SOURCE(S): CASREACT 98:143442
GI For diagram(s), see printed CA Issue.
AB The antihypertensive and antithrombotic (no data) title compds. I (R, R1,

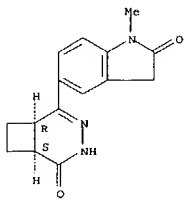
L7 ANSWER 34 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
R2, R3 = H, C1-6 alkyl; m, n = 1, 2, 3) were prepd. Thus, 2-indolinone was treated with cyclobutanedicarboxylic anhydride to give cis-2-(2-oxoindolin-5-ylcarbonyl)cyclobutanecarboxylic acid, which was cyclized with H2NNH2 to give cis-I (R-R3 = H, m = 2, n = 1).

IT **85123-64-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

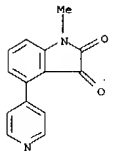
RN 85123-64-4 CA

CN 3,4-Diazabicyclo[4.2.0]oct-4-en-2-one, 5-(2,3-dihydro-1-methyl-2-oxo-1H-indol-5-yl)-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L7 ANSWER 35 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



L7 ANSWER 35 OF 47 CA COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 97:23626 CA

TITLE: 1H-Indole-2,3-dione derivatives

INVENTOR(S): Lesher, George Y.; Page, Donald F.; Gruett, Monte D.

PATENT ASSIGNEE(S): USA

SOURCE: U.S., 9 pp. Cont.-in-part of U.S. Ser. No. 130,622, abandoned.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4322533	A	19820330	US 1981-225773	19810116
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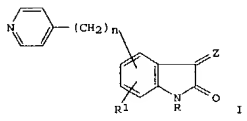
EP 89394	A1	19830928	EP 1982-102416	19820323
<--				
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 58167586	A2	19831003	JP 1982-50888	19820329
<--				
PRIORITY APPLN. INFO.:			US 1980-130622	19800317

OTHER SOURCE(S): CASREACT 97:23626

GI



AB Title compds. I [R = H, alkyl, hydroxyalkyl, (dialkylamino)alkyl, carbalkoxyalkyl; Z = O, (H,OH), NOH, NNH2, alkylhydrazono, NNHPh, NNHC(S)NH2, NNHC(:NH)NH2, substituted (ammonioacetyl)hydrazono; n = 0, 1; R1 = H, alkyl], useful as bronchodilators (no data), were prepd. Thus, CCl3CHO was treated with 3-(4-pyridyl)aniline, HCl, and HONH2 to give 3-PyC6H4NHCOCH:NOH.HCl (Py = 4-pyridyl), which was heated with H2SO4 to give 4-(4-pyridyl)indoline-2,3-dione.

IT **82160-46-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 82160-46-1 CA

CN 1H-Indole-2,3-dione, 1-methyl-4-(4-pyridinyl)- (9CI) (CA INDEX NAME)

L7 ANSWER 36 OF 47 CA COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 95:7266 CA

TITLE: 2-Oxo-benzothiazoline, benzoxazoline or indoline derivatives and pharmaceutical compositions comprising them

INVENTOR(S): Ueda, Ikuo; Matsuo, Masaaki; Satoh, Susumu; Watanabe, Takao

PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 53 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

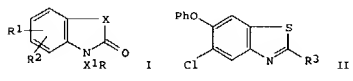
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 22317	A1	19810114	EP 1980-301973	19800611
<--				
EP 22317	B1	19830921		
R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
JP 55167282	A2	19801226	JP 1979-74239	19790612
<--				
US 4370340	A	19830125	US 1980-155185	19800602
<--				
AT 4713	E	19831015	AT 1980-301973	19800611
<--				
JP 56097268	A2	19810805	JP 1980-79645	19800612
<--				
JP 01014223	B4	19890310		
US 4438126	A	19840320	US 1982-409089	19820818
<--				
PRIORITY APPLN. INFO.:			JP 1979-74239	19790612
			GB 1979-44556	19791228
			US 1980-155185	19800602
			EP 1980-301973	19800611

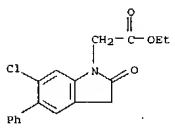
OTHER SOURCE(S): CASREACT 95:7266

GI

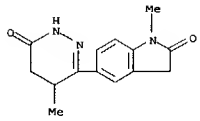


AB The title compds. I (X = O, S, CH2; X1 = alkylene; R = optionally protected carboxy; R1 = OH, halogen, NO2, NH2, cycloalkyl, aryl, aryloxy; R2 = H, halogen, alkyl) were prepd. Thus 3,4-Cl(PhO)C6H3NH2 was treated with BzNCS to give 3,4-Cl(PhO)C6H3NHCSNHBz which was debenzoylated and cyclized with Br to give II (R3 = NH2). Diazotization of II (R3 = NH2) and bromination gave II (R3 = Br) which was hydrolyzed to II (R3 = OH). Treatment of II (R3 = OH) with BrCH2CO2Et gave I (X = S, X1 = CH2, R =

L7 ANSWER 36 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
CO2Et, R1 = 6-PhO, R2 = 5-Cl) which was hydrolyzed to acid. The latter compd. had an aldose reductase-inhibiting ED50 of 5 .times. 10-8M.
IT **77859-77-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 77859-77-9 CA
CN 1H-Indole-1-acetic acid, 6-chloro-2,3-dihydro-2-oxo-5-phenyl-, ethyl ester
(9CI) (CA INDEX NAME)



L7 ANSWER 37 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



L7 ANSWER 37 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 94:103407 CA
TITLE: Antihypertensive pyridazinone compounds
INVENTOR(S): Nakao, Toru; Setoguchi, Shinro; Yaoka, Osamu
PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Japan
SOURCE: Brit. UK Pat. Appl., 12 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2031404	A	19800423	GB 1978-40864	19781017
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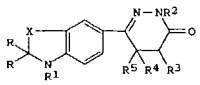
PRIORITY APPLN. INFO.: GB 1978-40864 19781017

GI



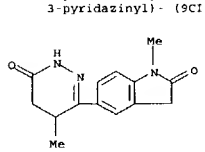
I

AB Pyridazinones I [X = CH2, optionally alkyl-substituted (CH2)2 or CH:CH; R = H or R2 = O; R1 = H, alkyl, alkanoyl, alkylsulfonyl, optionally substituted benzoyl; R2 = H, alkyl, hydroxyalkyl, carbamoylalkyl, naphthylalkyl, oxoalkyl, (CH2)nNR6R7; R6, R7 = H, alkyl or NR6R7 = heterocyclyl; n = 2-3; R3 = H or R3R4 or R3R5 = bond; R4 = H, alkyl, CH2OH, alkanoyloxymethyl; R5 = H, alkyl] were prepd. I inhibit platelet aggregation (assessed in rats and rabbits) and reduce hypertension (assessed in rats). E.g., cyclocondensation of 27 g (4-oxo-4-(indolin-5-yl)-3-methylbutanoic acid hydrochloride with 15 mL N2H4.H2O (EtOH, reflux,
2 h) gave 20 g I (X = CH2, R = R1 = R2 = R3 = R4 = H, R5 = Me).
IT **70386-03-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as antihypertensive and platelet aggregation inhibitor)
RN 70386-03-7 CA
CN 2H-Indol-2-one, 1,3-dihydro-1-methyl-5-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)- (9CI) (CA INDEX NAME)

L7 ANSWER 38 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 94:65712 CA
TITLE: Antithrombotic and antihypertensive pyridazinone derivatives
INVENTOR(S): Nakao, Toru; Setoguchi, Shinro; Yaoka, Osamu
PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Fr.
SOURCE: Fr. Demande, 25 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2439196	A1	19800516	FR 1978-29496	19781017
<--
US 4258185	A	19810324	US 1980-139625	19800414
<--
PRIORITY APPLN. INFO.: FR 1978-29496 19781017
US 1978-952183 19781017

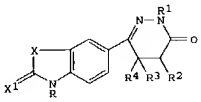
GI For diagram(s), see printed CA Issue.
AB Title pyridazinones I [X = (un)substituted CH2, CH2CH2; X1 = O, CH2; R = H, alkyl, alkanoyl, alkanesulfonyl, Bz; R1 = H, alkyl, hydroxyalkyl, carbamoylalkyl, naphthyloxyalkyl, oxoalkyl, R5R6N(CH2)n (R5, R6 = H, alkyl; R5R6N = heterocycle, i.e. morpholino; n = 2,3); R2 = H, R3 = H, alkyl, HOCH2, alkanoyloxymethyl; R4 = H, alkyl] and their salts were prepd. Thus, the cyclocondensation of indoline II and N2H4 gave I (X = CH2, X1 = O, R = Me, R1-R4 = H). I (X = CH2CH2, X1 = O, R = Me, R1 = R3 =
R4 = H, R2 = Me) at 0.03 mg/kg in rats gave 62% inhibition of blood platelet aggregation and was antihypertensive in rats.
IT **70386-03-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 70386-03-7 CA
CN 2H-Indol-2-one, 1,3-dihydro-1-methyl-5-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)- (9CI) (CA INDEX NAME)



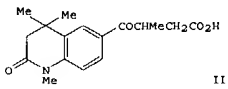
L7 ANSWER 39 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 93:239442 CA
TITLE: Pyridazino compounds
PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Japan
SOURCE: Neth. Appl., 22 pp.
CODEN: NAXXAN
DOCUMENT TYPE: Patent
LANGUAGE: Dutch
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 7810396	A	19800421	NL 1978-10396	19781017
PRIORITY APPLN. INFO.:			NL 1978-10396	19781017

GI



I



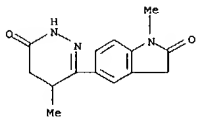
II

AB Pyridazinones I (X = optionally substituted CH2CH2, CH:CH; X1 = O, H2; R = H, alkyl, acyl, alkylsulfonyl; R1 = H, optionally substituted alkyl; R2 = H, R3 = H, alkyl, CH2OH, acyloxymethyl; R4 = H, alkyl; R2R3 = bond) were prepd. Thus, 20 g II was treated with N2H4 to give 15.1 g I (X = CH2CMe2, X1 = O, R = R4 = Me, R1-R3 = H) which at 3 mg/kg orally in rats caused 59% inhibition of blood platelet aggregation and 48 mm Hg decrease arterial blood pressure.

IT **70386-03-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 70386-03-7 CA
CN 2H-Indol-2-one, 1,3-dihydro-1-methyl-5-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)- (9CI) (CA INDEX NAME)

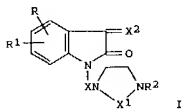
L7 ANSWER 39 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



L7 ANSWER 40 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 93:220773 CA
TITLE: Pharmaceutical isatin derivatives
INVENTOR(S): Teraji, Tsutomu; Oku, Teruo; Namiki, Takayuki
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 57 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 10398	A1	19800430	EP 1979-302158	19791009
EP 10398	B1	19830427		
R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
DK 7904209	A	19800411	DK 1979-4209	19791005
AU 7951576	A1	19800417	AU 1979-51576	19791008
JP 55062064	A2	19800510	JP 1979-130529	19791009
JP 62043992	B4	19870917		
AT 3149	E	19830515	AT 1979-302158	19791009
US 4382934	A	19830510	US 1979-83271	19791010
PRIORITY APPLN. INFO.:			GB 1978-39977	19781010
			EP 1979-302158	19791009

GI



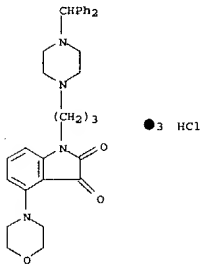
I

AB Isatins I (X = optionally hydroxylated alkylenes; X1 = C1-3 alkylene; X2 = O, NOH, alkoxyimino; R, R1 = H, halogen, alkyl, alkoxy, haloalkyl, acylamino, heterocyclic, RR1 = CH:CHCH:CH; R2 = H, optionally substituted alkyl, aryl, acyl, 10,11-dihydro-5H-dibenzo[a,b]cycloheptenyl) were prepd. Thus isatin was treated with Br(CH2)3Cl and 1-benzhydrylpiperazine to give I [X = (CH2)3, X1 = CH2CH2, X2 = O, R = R1 = H, R2 = CHPh2] which at 32 mg/kg orally in guinea pigs gave 100% inhibition of anaphylactic asthma.

IT **75590-98-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

L7 ANSWER 40 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

RN 75590-98-6 CA
CN 1H-Indole-2,3-dione, 1-[3-[4-(diphenylmethyl)-1-piperazinyl]propyl]-4-(4-morpholinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



L7 ANSWER 41 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 93:46702 CA
TITLE: 2,6-Disubstituted 4,5-dihydro-3(2H)-pyridazinones
INVENTOR(S): Nakao, Toru; Setoguchi, Nobuo; Yaoka, Osamu
PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 54135785	A2	19791022	JP 1978-43465	19780412
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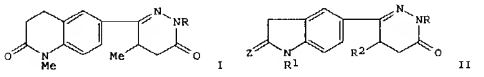
JP 62006553	B4	19870212		
PRIORITY APPLN. INFO.:			JP 1978-43465	19780412

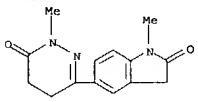
GI



I II

AB Fifteen pyridazinones I [R = Et, Bu, CH2CH2NMe2.HCl, (CH2)10CONH2, octadecyl, etc.] or II (R = Me, CH2CH2OH; R1, R2 = H, Me; Z = H2, O), having hypotensive, antithrombotic, and antiallergic activities (no data), were prepd. by cyclization with RNHNH2 or alkylation of I (R = H). Thus, 2.75 g 4-oxo-4-(1-methyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)-3-methylbutanoic acid was refluxed with 1.5 g H2NNHCH2CH2OH in EtOH for 2 h to give 2.5 g I (R = CH2CH2OH).

IT **71008-77-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 71008-77-0 CA
CN 2H-Indol-2-one, 1,3-dihydro-1-methyl-5-(1,4,5,6-tetrahydro-1-methyl-6-oxo-3-pyridazinyl)- (9CI) (CA INDEX NAME)



L7 ANSWER 41 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)

L7 ANSWER 42 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 91:74639 CA
TITLE: Pyridazinone derivatives used therapeutically as antithrombotic and antihypertensive agents
PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Japan
SOURCE: Belg., 26 pp.
CODEN: BEXXAL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 871310	A1	19790417	BE 1978-191156	19781017
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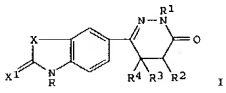
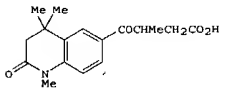
PRIORITY APPLN. INFO.:			BE 1978-191156	19781017

GI



I

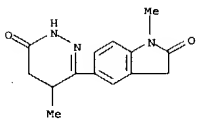


II

AB Pyridazinones I (X = optionally substituted CH2, CH2CH2, CH:CH; X1 = O, H2; R = H, alkyl, acyl, alkylsulfonyl, optionally substituted Bz; R1 = H, alkyl, hydroxyalkyl, carbamoylalkyl, naphthyloxyalkyl, oxoalkyl, aminoalkyl; R2 = H; R3 = H, alkyl, CH2OH, acyloxymethyl; R2R3 = bond; R4 = H, alkyl) were prepd. Thus, 20 g II was treated with 10 g N2H4 to give 15.1 g I (X = CH2CMe2, X1 = O, R = R3 = Me, R1 = R2 = R4 = H), which at 3 mg/kg orally in rats caused 59% inhibition of blood platelet aggregation and 48 mm Hg decrease in blood pressure.

IT **70386-03-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 70386-03-7 CA
CN 2H-Indol-2-one, 1,3-dihydro-1-methyl-5-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)- (9CI) (CA INDEX NAME)

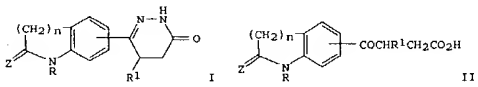
L7 ANSWER 42 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



L7 ANSWER 43 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 91:5240 CA
TITLE: Pyridazine derivatives
INVENTOR(S): Nakao, Toru; Setoguchi, Nobuo; Yaoka, Osamu
PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 54016485	A2	19790207	JP 1977-82226	19770708
<--				
JP 61047837	B4	19861021		
AT 7807455	A	19790915	AT 1978-7455	19781017
<--				
AT 356122	B	19800410		
DE 2845220	A1	19800430	DE 1978-2845220	19781017
<--				
PRIORITY APPLN. INFO.:			JP 1977-82226	19770708

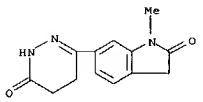
GI



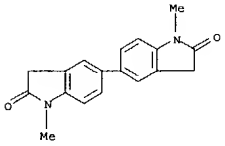
I II

AB Thirteen title derivs. I [R = H, alkyl, alkanoyl, (substituted) Bz, alkylsulfonyl; R1 = H, alkyl; n = 1, 2; C:Z = CO, CH2] were prepd., e.g., by reaction of II with N2H4 or its hydrate. I had hypotensive, anti-allergic, and membrane-stabilizing activities (no data). Thus, heating a mixt. of 7 g 4-oxo-4-(1-methyl-2--oxoindolin-5-yl)butanoic acid and 3 mL N2H4.H2O in DMF 4 h at 100.degree. gave 4 g 6-(1-methyl-2-oxoindolin-5-yl)-4,5-dihydro-3(2H)-pyridazinone.
IT **70385-98-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 70385-98-7 CA
CN 2H-Indol-2-one, 1,3-dihydro-1-methyl-6-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)- (9CI) (CA INDEX NAME)

L7 ANSWER 43 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)



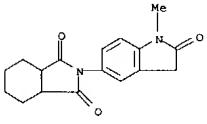
L7 ANSWER 44 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 80:19635 CA
TITLE: Identification of ajmaline and other indole derivatives by using color reactions
AUTHOR(S): Rehse, K.; Bergen, L.
CORPORATE SOURCE: Inst. Pharm., Freie Univ. Berlin, Berlin, Fed. Rep. Ger.
SOURCE: Deutsche Apotheker Zeitung (**1973**), 113(40), 1568-71
CODEN: DAZEA2; ISSN: 0011-9857
DOCUMENT TYPE: Journal
LANGUAGE: German
AB Three different parameters of various known color reactions, namely reaction rate, color absorption and the stability of the oxidn. product, can be used for distinguishing the derivs. of ajmaline and N-methylindoline or other indole derivatives.
IT **52200-89-2**
RL: PRP (Properties)
(physicochem. properties of)
RN 52200-89-2 CA
CN [5,5'-Bi-2H-indole]-2,2'-dione, 1,1',3,3'-tetrahydro-1,1'-dimethyl- (9CI) (CA INDEX NAME)



L7 ANSWER 45 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 79:66168 CA
TITLE: Antimicrobial (nitrofurfurylidene) oxindoles
INVENTOR(S): Scheer, Martin; Berendes, Otto
PATENT ASSIGNEE(S): Bayer A.-G.
SOURCE: Ger. Offen., 52 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2159361	A1	19730614	DE 1971-2159361	19711130
<--				
PRIORITY APPLN. INFO.:			DE 1971-2159361	19711130

GI For diagram(s), see printed CA Issue.
AB Eight oxindoles (I; R = Me or Et; R1 = MeCO or EtCO, R2 = CHO, Ac, COEt, or CO2Et; or NR1R2 = succinimido, phthalimido, or hexahydrophthalimido) were prepd. by reaction of II, with 5-nitrofurfural or by acylation of I (R1 = H or acyl, R2 = H). I were used in vitro and in vivo against gram-pos. and gram-neg. bacteria. I (R = Me, R1 = R2 = Ac) had LD50 >2000 mg/kg orally in mice.
IT **42544-46-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 42544-46-7 CA
CN 1H-Isoindole-1,3(2H)-dione, 2-(2,3-dihydro-1-methyl-2-oxo-1H-indol-5-yl)hexahydro- (9CI) (CA INDEX NAME)



L7 ANSWER 46 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 72:12566 CA
TITLE: 1-Aroyl-2-hydroxy or mercaptoindole-3-alkanoic acids
INVENTOR(S): Shen, Tsung-Ying
PATENT ASSIGNEE(S): Merck and Co., Inc.
SOURCE: U.S., 11 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3462450	A	19690819	US 1966-565339	19660629
NL 6708726	A	19680102	NL 1967-8726	19670622
GB 1164923	A	19690924	GB 1967-1164923	19670627
FR 7154	M	19690804	FR 1967-7154	19670922

PRIORITY APPLN. INFO.: US 1966-565339 19660629

AB The title compds., e.g. Ia and Ib, were prepd. for use as antiinflammatory compds. Thus, 0.02 mole p-MeOC6H4NHCO-CH2Cl heated 1 hr at 225.degree. with 0.04 mole AlCl3 and the residue treated with HCl gave 5-methoxyoxindole (I). 5-Nitrooxindole (0.01 mole), 150 ml MeOH, 15 ml HOAc, and 5 ml 37% aq. HCHO reduced at 40 psi in the presence of 4 g Raney Ni and the mixt. worked up gave 5-dimethylaminooxindole. I (0.05 mole) and 0.07 mole (CO2CH2Ph)2 added to 50 ml C6H6 contg. 1.5 g Na, the mixt. kept 3 hr under N, dild., extd., acidified, the ppt. hydrogenated in 200 ml HOAc contg. 1 ml concd. H2SO4 and 5 g 10% Pd-C, and the residue worked up gave Ia (R = H, R1 = PhCH2) (II). I (0.1 mole) and 0.1 mole .alpha.-acetaminoacrylic acid refluxed 6 hr under N with 0.3 mole Na in 300 ml abs. EtOH, the ppt. worked up, and the product in 7 ml distd. SOCl2 and dry C5H5N in 40 ml abs. Et2O worked up and hydrogenated at 1 atm using 1 g 10% Pd-C gave Me .alpha.-(5-methoxy-3-oxindolyl)propionate. II (0.04 mole) in 150 ml HCONMe2 added to 0.08 mole 51% NaH-mineral oil in 150 ml HCONMe2 and the mixt. treated dropwise with 0.05 mole p-ClC6H4COCl in 50 ml HCONMe2 gave Ia [R = p-ClC6H4CO(A), R1 = Ph-CH2) (III). III (0.04 mole) in 200 ml HOAc and 0.5 ml concd. H2SO4 hydrogenated with 4 g 10% Pd-C at 4 atm and the residue worked up gave Ia (R = A, R1 = H) (IV). Ia (R = A, R1 = Et) (V) (0.35 mole) in 200 ml dry C6H6 refluxed 3 hr with 0.04 mole anhyd. AlBr3 in 800 ml dry C6H6 and the product worked up gave Et [1-(p-chlorobenzoyl)-5-hydroxy-3-oxindolyl]acetate. Et [1-(p-chlorobenzoyl)-5-nitro-3-oxindolyl]acetate (0.023 mole) in 100 ml EtOH hydrogenated at 25.degree. in the presence of 0.3 g Pd-C gave Et [1-(p-chlorobenzoyl)-5-amino-3-oxindolyl]-acetate (VI). VI (0.005 mole) refluxed 6 hr under N with 1 g Br(CH2)4Br and 0.975 g anhyd. Na2CO3 in 80 ml EtOH gave Et [1-(p-chlorobenzoyl)-5-pyrrolidino-3-ox indolyl]acetate.

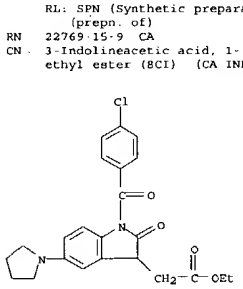
L7 ANSWER 46 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
VI (0.02 mole) heated 18 hr to 100.degree. with 9.05 mole ethylene oxide, 0.03 m ole HOAc, and 300 ml (MeO)2(CH2)2 gave Et [1-(p-chlorobenzoyl) - 5 - [bis(.beta. - hydroxyethyl)amino] - 3 - oxindolyl]acetate (VII). VII treated with 2 moles p-MeC6H4SO2Cl in C5H5N and the product treated with MeNH2 gave Et [1-(p-chlorobenzoyl)-5-(4-methyl-1-piperazinyl)-3-oxindolyl]acetate. VII (0.1 mole) and 0.3 mole C5H5N in 300 ml C6H6 refluxed 3 hr with 0.1 mole p-MeC6H4SO2Cl in 200 ml C6H6 gave Et [1-(p-chlorobenzoyl)-5-(4-morpholinyl)-3-oxindolyl]acetate. IV (0.005 mole) in 100 ml MeOH treated with 0.005 mole NaOH in 50 ml MeOH gave the IV Na salt. IV (0.01 mole) in 100 ml Et2O treated at 0.degree. with 0.01 mole Et2NCH2CH2OH in 50 ml Et2O gave Ia (R = A, R1 = Et2NCH2CH2). I (0.005 mole) in 15 ml Et2O treated within 30 min with cooling with 0.005 mole (COCl)2 in 15 ml anhyd. Et2O, the mixt. kept several hr under N, concd., 0.01 mole NaOEt in 20 ml EtOH added, and the product wor ked up gave Et (5-methoxy-3-oxindolyl)glyoxalate (VIII). VIII (0.01 mole) heated 3 hr on a steam bath under N with 0.02 mole NH2OH.-HCl, 20 ml EtOH, and 5 ml C5H5N, and the mixt. worked up, reduced at 3000 psi in the presence of 1 g 5% Pd-C, and the product worked up gave Et (5-methoxy-3-oxindolyl)-.alpha.-aminoacetate (IX). IX (0.01 mole) heated 5 hr under N with 0.022 mole MeI and 0.03 mole NaHCO3 in 50 ml anhyd. MeOCH2CH2OMe and the residue worked up gave Et (5-methoxy-3-oxindolyl)-.alpha.-(dimethylamino)acetate. p-MeOC6H4NHNH2.HCl (25 g) refluxed 30 min with 20 g benzyl .gamma.,.gamma.-diethoxybutyrate in 250 ml 2N HCl in PhCH2OH, and the product worked up gave Ia (R = H, R1 = PhCH2) (X). X treated as in the prepn. of III gave Ia (R = A, R1 = PhCH2) (XI). XI reduced in the presence of Pd-C with EtOAc contg. HOAc gave IV. IV (0.005 mole) in 20 ml CHCl3 treated at 0.degree. with 0.005 mole MeSOCl in CHCl3 gave Ib (R = A, R1 = Me, R2 = CO2H). V (0.1 mole) refluxed 2 hr with 0.3 mole K in 100 ml dimethoxyethane and 0.12 mole MeBr gave Et [1-(p-chlorobenzoyl)-2,5-dimethoxy-3-indolyl]ac etate. ter-Butyl 1-(p-chlorobenzoyl)-2,5-dimethoxy-3-indolylacetate (0.005 mole) heated 1 hr under N with 1 g fine porous chips, and the residue worked up gave 1-(p-chlorobenzoyl)-2,5-dimethoxy-3-indolylacetic acid (XII). XII (0.1 mole) treated 2 hr with 0.005 mole dicyclohexylcarbodiimide gave 1-(p-chlorobenzoyl)-2,5-dimethoxy-3-indolylacetic acid anhydride (XIII). IV treated under N with 0.07 mole ClCO2CH2CHMe2 and an equimolar amt. Et3N in 40 ml anhyd. MeOCH2CH2OMe and the mixt. treated 10 hr with NH3 gas gave [1-(p-chlorobenzoyl)-5-methoxy-3-oxindolyl]acetam ide. XIII (0.1 mole) in 500 ml dimethoxyethane treated 2 hr under N at 20-5.degree. with 0.1 mole PhCH2ONa in 100 ml dimethoxyethane, and the mixt. worked up gave benzyl [1-(p-chlorobenzoyl)-2,5-dimethoxy-3-indolyl]acetate. p-MeOC6H4NHNH2.HCl (0.1 mole) refluxed 5 hr under N with 0.1 mole benzyl ether of 4,4-dimethoxybutanol and 120 ml iso-PrOH and the mixt. worked up gave .beta.-(5-methoxy-3-indolyl)ethyl

L7 ANSWER 46 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
benzyl ether (XIV). XIV in 50 ml EtOAc hydrogenated under 1 atm H in the presence of 3.0 g Pd-C and the residue treated with 25 ml 2,3-dihydropyran gave .beta.-(5-methoxy-3-indolyl)ethyl tetrahydropyranyl (THP) ether (XV).
XV (0.04 mole) treated with 6 g EtMgBr in Et2O and 0.03 mole product treated with 1.3 g S in 50 ml Et2O, the mixt. cooled, 4 g AcCl in 50 ml Et2O added, and the mixt. heated 6 hr on a H2O bath and worked up g ave Ib (R = R1 = H, R2 = CH2OTHP) (XVI). XVI (0.01 mole) in 25 ml C5H5N treated with 0.02 mole PhCH2OCOCl gave Ib (R = H, R2 = PhCH2O2C, R2 = CH2OTHP (XVII). XVII (0.01 mole) in 150 ml HCONMe2 treated 1 hr at 0.degree. with 0.012 m ole 51% NaH-mineral oil in 15 ml HCONMe2, 0.012 mole p-ClC6H4C oCl in 50 ml HCONMe2 added within 30 min, and the mixt. kept 12.5 hr at 0.degree. and worked up gave Ib (R = A, R2 = PhCH2O2C, R3 = CH2OTHP) (XIII). XIII treated with dicyclohexylcarbodiimide and Me2SO and the product hydrogenated gave Ib (R = A, R1 = H, R2 = CO2H). Also named were similar compds. which could be similarly prepd.

IT **22769-15-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 22769-15-9 CA

CN 3-Indolineacetic acid, 1-(p-chlorobenzoyl)-2-oxo-5-(1-pyrrolidinyl)-, ethyl ester (8CI) (CA INDEX NAME)



L7 ANSWER 47 OF 47 CA COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 71:30357 CA
TITLE: .alpha.-(3-Indolyl)alkanoic acids
INVENTOR(S): Shen, Tsung Ying
PATENT ASSIGNEE(S): Merck and Co., Inc.
SOURCE: Fr., 18 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1529368		19680614		

PRIORITY APPLN. INFO.: US 19660629

GI For diagram(s), see printed CA Issue.

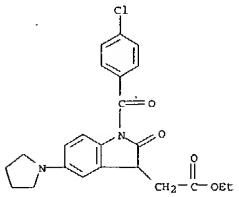
AB The title compds. were prepd. Thus, p-MeOC6H4NH2 was treated with ClCH2CO2H to give p-(2-chloroacetamido)anisole, 0.02 mole of which treated at 225.degree. one hr. with 0.04 mole AlCl3 gave 5-methoxyindole. A soln. of 0.05 mole of this in 100 ml. C6H6 was added to a mixt. of 0.07 mole dibenzyl oxalate and 1.5 g. Na in 50 ml. C6H6, and the whole stirred 3 hrs. under N and worked up to give benzyl (5-methoxyisatylidene)(hydroxy)acetate. Hydrogenation of this in H2SO4 over Pd-C gave benzyl (5-methoxy-3-indolyl)acetate. A mixt. of 0.04 mole of this and 150 ml. HCONMe2 was added to a mixt. of 0.08 mole NaH (51% in mineral oil) and 150 ml. HCONMe2, the whole stirred 1 hr. at 0.degree., and 0.05 mole p-ClC6H4COCl added dropwise to give benzyl [1-(p-chlorobenzoyl)-5-methoxy-3-oxindolyl]acetate, 0.04 mole of which, 200 ml. AcOH, 0.5 ml. concd. H2SO4, and 4 g. 10% Pd-C was stirred under 4 atm. H until 1 mole H was absorbed to give [1-(p-chlorobenzoyl)-5-methoxy-3-oxindolyl]acetic acid (I). Alternatively, a mixt. of 0.1 mole p-MeOC6H4NHNH2.HCl, 0.1 mole benzyl 4,4-dimethoxybutyl ether, and 120 ml. iso-PrOH was refluxed 5 hrs. under H to give .beta.-(5-methoxy-3-indolyl)ethyl benzyl ether. Hydrogenation of this in AcOEt over Pd-C gave a residue, which, treated with 2,3-dihydropyran and a trace of HCl, gave .beta.-(methoxy-3-indolyl)ethyl tetrahydropyranyl ether. The product obtained from 0.04 mole of this and 6 g. EtMgBr was heated with 1.3 g. S in 50 ml. Et2O, 4 g. AcCl in 50 ml. Et2O added to the cooled mixt., and the whole refluxed 6 hrs. and worked up to give .beta.-(2-mercapto-5-methoxy-3-indolyl)ethyl tetrahydropyranyl ether. PhCH2OCOCl (0.02 mole) was added to a soln. of 0.01 mole of this in 25 ml. pyridine, and the whole refluxed 30 min. to give .beta.-(2-benzyloxycarbonylthio-5-methoxy-3-indolyl)-ethyl tetrahydropyranyl ether. Redn. of this with NaH followed by treatment with p-ClC6H4COCl gave the .beta.-[1-(p-chlorobenzoyl)-2-benzyloxycarbonylthio-5-methoxy-3-indolyl]ethyl tetrahydropyranyl ether. A mixt. of this and 100 ml. 1% methanolic HCl was stirred 2 hrs. at 5.degree., evapd., the residue dissolved in C6H6, a soln. of 0.04 mole dicyclohexylcarbodiimide, 0.008 mole Me2SO, and 5 ml. 0.1N H3PO4 in 100 ml. C6H6 added, the whole kept 30 min. at room temp., 0.01 mole AgNO3 in 100 ml. EtOH and 10 ml. H2O added, 5 ml. NH4OH added, the whole kept 2 hrs. at 30.degree., H2S bubbled in, the ppt. filtered off, the filtrate evapd., and the residue hydrogenated to give [1-(p-chlorobenzoyl)-2-

L7 ANSWER 47 OF 47 CA COPYRIGHT 2004 ACS on STN (Continued)
mercapto-5-methoxy-3-indolyl]acetic acid (II). The products are useful as antipyretics.

IT **22769-15-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 22769-15-9 CA

CN 3-Indolineacetic acid, 1-(p-chlorobenzoyl)-2-oxo-5-(1-pyrrolidinyl)-, ethyl ester (8CI) (CA INDEX NAME)



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=> file uspatfull

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L8          33 L5

=> d ibib fhitstr 1-33
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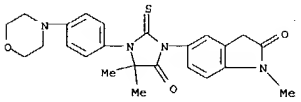
L8 ANSWER 1 OF 33 USPATFULL on STN
ACCESSION NUMBER: 2004:152195 USPATFULL
TITLE: Thiohydantoins and use thereof for treating diabetes
INVENTOR(S): Boubia, Benaissa, Saint Apollinaire, FRANCE
Chaput, Evelyne, Dijon, FRANCE
Ou, Khan, Hauteville-les-Dijon, FRANCE
Ratel, Philippe, Ahuy, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004116417	A1	20040617
APPLICATION INFO.:	US 2003-473032	A1	20030926 (10)
	WO 2002-FR1167		20020404

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-4552	20010404

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 2546
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **471937-61-8P**, 1-(4-(Morpholin-4-yl)phenyl)-3-(1-methyl-2-oxo-2,3-dihydro-1H-indol-5-yl)-5,5-dimethyl-2-thioxo-4-imidazolidinone (drug candidate; prepn. of arom.-substituted thiohydantoins for treatment of diabetes, dyslipidemia, and obesity)
RN 471937-61-8 USPATFULL
CN 2H-Indol-2-one, 5-[4,4-dimethyl-3-[4-(4-morpholinyl)phenyl]-5-oxo-2-thioxo-1-imidazolidinyl]-1,3-dihydro-1-methyl- (9CI) (CA INDEX NAME)



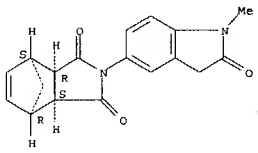
L8 ANSWER 2 OF 33 USPATFULL on STN
ACCESSION NUMBER: 2004:114702 USPATFULL
TITLE: Fused cyclic succinimide compounds and analogs thereof,
modulators of nuclear hormone receptor function
INVENTOR(S): Salvati, Mark E., Lawrenceville, NJ, UNITED STATES
Attar, Ricardo M., Lawrenceville, NJ, UNITED STATES
Gottardis, Marco M., Princeton, NJ, UNITED STATES
Balog, James Aaron, Scotch Plains, NJ, UNITED STATES
Pickering, Dacia A., Lawrenceville, NJ, UNITED STATES
Martinez, Rogelio L., Monmouth Junction, NJ, UNITED STATES
Sun, Chongping, East Windsor, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004087548	A1	20040506
APPLICATION INFO.:	US 2002-75870	A1	20020214 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-271672P	20010227 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: STEPHEN B. DAVIS, BRISTOL-MYERS SQUIBB COMPANY, PATENT DEPARTMENT, P O BOX 4000, PRINCETON, NJ, 08543-4000
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
LINE COUNT: 7666
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **455273-60-6P**
(target compd.; prepn. of combinatorial libraries of substituted fused cyclic isoindolediones as modulators of nuclear hormone receptor function)
RN 455273-60-6 USPATFULL
CN 4,7-Methano-1H-isoindole-1,3(2H)-dione, 2-(2,3-dihydro-1-methyl-2-oxo-1H-indol-5-yl)-3a,4,7,7a-tetrahydro-, (3aR,4S,7R,7aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

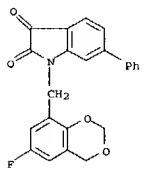


L8 ANSWER 2 OF 33 USPATFULL on STN (Continued)

L8 ANSWER 3 OF 33 USPATFULL on STN
ACCESSION NUMBER: 2003:220269 USPATFULL
TITLE: Inhibitors of c-Jun N-terminal kinases (JNK)
INVENTOR(S): Salituro, Francesco G., Marlboro, MA, UNITED STATES
Bemis, Guy W., Arlington, MA, UNITED STATES
Wilke, Susanne, Norwich, VT, UNITED STATES
Green, Jeremy, Burlington, MA, UNITED STATES
Cao, Jingrong, Newton, MA, UNITED STATES
Gao, Huai, Natick, MA, UNITED STATES
Harrington, Edmund Martin, South Boston, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003153560	A1	20030814
APPLICATION INFO.:	US 2001-35823	A1	20011023 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2000-US10866, filed on 21 Apr 2000, UNKNOWN		

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: VERTEX PHARMACEUTICALS INCORPORATED, 130 Waverly Street, Cambridge, MA, 02139-4242
NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1
LINE COUNT: 1528
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **303743-55-7P**
(prepn of benzopyrrolone deriva. and related compds. as inhibitors of c-jun n-terminal kinases (JNK))
RN 303743-55-7 USPATFULL
CN 1H-Indole-2,3-dione, 1-[(6-fluoro-4H-1,3-benzodioxin-8-yl)methyl]-6-phenyl- (9CI) (CA INDEX NAME)

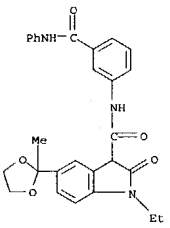


L8 ANSWER 4 OF 33 USPATFULL on STN
ACCESSION NUMBER: 2003:4123 USPATFULL
TITLE: Use of glycogen phosphorylase inhibitors
INVENTOR(S): Treadway, Judith L., Mystic, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003004162	A1	20030102
APPLICATION INFO.:	US 2001-813335	A1	20010320 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-191381P	20000322 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Gregg C. Benson, Pfizer Inc., Patent Department, MS 4159,, Eastern Point Road, Groton, CT, 06340
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 4011
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **251446-36-3P**
(intermediate; synthesis of indolyl-amides as glycogen phosphorylase inhibitors for treatment of type 2 diabetes)
RN 251446-36-3 USPATFULL
CN 1H-Indole-3-carboxamide, 1-ethyl-2,3-dihydro-5-(2-methyl-1,3-dioxolan-2-yl)-2-oxo-N-[3-[(phenylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



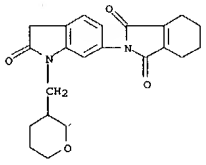
L8 ANSWER 5 OF 33 USPATFULL on STN
ACCESSION NUMBER: 2002:79655 USPATFULL
TITLE: Use of derivatives of N-phenl-3,4,5,6-tetrahydrophthalimide for the desiccation and abscission of plant organs
INVENTOR(S): Grossmann, Klaus, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
Mulder, Christiaan E. G., Nelspruit, SOUTH AFRICA
Wuerzer, Bruno, Otterstadt, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 37664	E1	20020416
	US 5045105		19910903 (Original)
APPLICATION INFO.:	US 1996-618334		19960319 (8)
	US 1990-481262		19900220 (Original)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1994-294789, filed on 8 Aug 1994, now abandoned Continuation of Ser. No. US 1993-115595, filed on 3 Sep 1993, now abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1989-3905916	19890225

DOCUMENT TYPE: Reissue
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Pak, John
LEGAL REPRESENTATIVE: Keil & Weinkauf
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 1168
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **132058-15-2P**
(prepn. of, as plant defoliants and desiccants)
RN 132058-15-2 USPATFULL
CN 1H-Isoindole-1,3(2H)-dione, 2-[2,3-dihydro-2-oxo-1-[(tetrahydro-2H-pyran-3-yl)methyl]-1H-indol-6-yl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

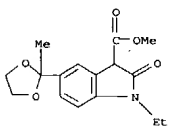


L8 ANSWER 6 OF 33 USPATFULL on STN
ACCESSION NUMBER: 2002:54655 USPATFULL
TITLE: METHOD OF INHIBITION OF HUMAN GLYCOGEN PHOSPHORYLASE
INVENTOR(S): RATH, VIRGINIA LEIGH, STONINGTON, CT, UNITED STATES
HOOVER, DENNIS JAY, MYSTIC, CT, UNITED STATES
AMMIRATI, MARK, STONINGTON, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002031816	A1	20020314
APPLICATION INFO.:	US 1999-369214	A1	19990805 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-95790P	19980807 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PFIZER INC, 150 EAST 42ND STREET, 5TH FLOOR - STOP 49, NEW YORK, NY, 10017-5612
NUMBER OF CLAIMS: 17
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 2075
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **251446-37-4P**
(prepn. of inhibitors of human glycogen phosphorylase and their therapeutical applications)
RN 251446-37-4 USPATFULL
CN 1H-Indole-3-carboxylic acid, 1-ethyl-2,3-dihydro-5-(2-methyl-1,3-dioxolan-2-yl)-2-oxo-, methyl ester (9CI) (CA INDEX NAME)

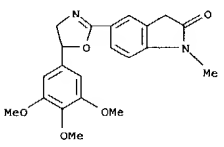


L8 ANSWER 7 OF 33 USPATFULL on STN
ACCESSION NUMBER: 2001:67679 USPATFULL
TITLE: Oxazoline antiproliferative agents
INVENTOR(S): Gwaltney, II, Stephen L., Lindenhurst, IL, United States
Jae, Hwan-Soo, Glencoe, IL, United States
Kalvin, Douglas M., Buffalo Grove, IL, United States
Liu, Gang, Gurnee, IL, United States
Sham, Hing L., Mundelein, IL, United States
Li, Qun, Libertyville, IL, United States
Claiborne, Akiyo K., Mundelein, IL, United States
Wang, Le, Mundelein, IL, United States
Barr, Kenneth J., San Francisco, CA, United States
Woods, Keith W., Libertyville, IL, United States
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6228868	B1	20010508
APPLICATION INFO.:	US 1999-360463		19990723 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-94241P	19980727 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Huang, Evelyn Mei
LEGAL REPRESENTATIVE: Steele, Gregory W., Donner, B. Gregory
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
LINE COUNT: 3207
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **256935-38-3P**
(prepn. of substituted oxazolines as antiproliferative agents)
RN 256935-38-3 USPATFULL
CN 2H-Indol-2-one, 5-[4,5-dihydro-5-(3,4,5-trimethoxyphenyl)-2-oxazolyl]-1,3-dihydro-1-methyl- (9CI) (CA INDEX NAME)

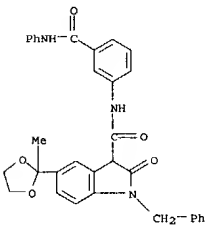


L8 ANSWER 8 OF 33 USPATFULL on STN
ACCESSION NUMBER: 2000:142378 USPATFULL
TITLE: Methods of administering AMPA receptor antagonists to treat dyskinesias associated with dopamine agonist therapy
INVENTOR(S): Chenard, Bertrand L., Waterford, CT, United States
Welch, Willard M., Mystic, CT, United States
Menniti, Frank S., Mystic, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6136812		20001024
APPLICATION INFO.:	US 1998-148974		19980904 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-58098P	19970905 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Jarvis, William R. A.
LEGAL REPRESENTATIVE: Richardson, Peter C., Ginsberg, Paul H., Konstas, Kristina L.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 2016
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **221151-88-8**
(AMPA antagonists for treatment of dyskinesias assocd. with dopamine agonist therapy)
RN 221151-88-8 USPATFULL
CN 1H-Indole-3-carboxamide, 2,3-dihydro-5-(2-methyl-1,3-dioxolan-2-yl)-2-oxo-N-[3-[(phenylamino)carbonyl]phenyl]-1-(phenylmethyl)- (9CI) (CA INDEX NAME)



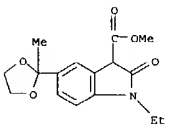
L8 ANSWER 8 OF 33 USPATFULL on STN (Continued)

L8 ANSWER 9 OF 33 USPATFULL on STN
ACCESSION NUMBER: 2000:112694 USPATFULL
TITLE: Collets for locking tubes in coupling bodies
INVENTOR(S): Guest, John Derek, `Iona`, Canon Hill Way, Bray, Maidenhead SL6 2EX, United Kingdom

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6109664		20000829
APPLICATION INFO.:	US 1998-95790		19980611 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1997-12290	19970612

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Arola, Dave W.
LEGAL REPRESENTATIVE: Baker & Daniels
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 147
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **251446-37-4P**
(prepn. of inhibitors of human glycogen phosphorylase and their therapeutical applications)
RN 251446-37-4 USPATFULL
CN 1H-Indole-3-carboxylic acid, 1-ethyl-2,3-dihydro-5-(2-methyl-1,3-dioxolan-2-yl)-2-oxo-, methyl ester (9CI) (CA INDEX NAME)

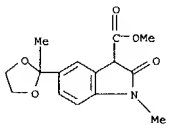


L8 ANSWER 10 OF 33 USPATFULL on STN
ACCESSION NUMBER: 1999:160079 USPATFULL
TITLE: Glycogen phosphorylase inhibitors
INVENTOR(S): Hulin, Bernard, Essex, CT, United States
Sarges, Reinhard, Mystic, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5998463		19991207
APPLICATION INFO.:	US 1999-251141		19990216 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-76132P	19980227 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Richter, Johann
ASSISTANT EXAMINER: Keating, Dominic
LEGAL REPRESENTATIVE: Richardson, Peter C., Benson, Gregg C., Gammill, Martha A.
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 1835
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **251446-41-0P**
(glycogen phosphorylase inhibitors for treatment of metabolic disorders)
RN 251446-41-0 USPATFULL
CN 1H-Indole-3-carboxylic acid, 2,3-dihydro-1-methyl-5-(2-methyl-1,3-dioxolan-2-yl)-2-oxo-, methyl ester (9CI) (CA INDEX NAME)

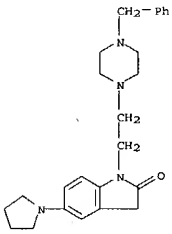


L8 ANSWER 11 OF 33 USPATFULL on STN
ACCESSION NUMBER: 96:116385 USPATFULL
TITLE: Composition containing an oxoindole compound
INVENTOR(S): Boar, Bernard R., Letchworth, Great Britain
Cross, Alan J., West Byfleet, Great Britain
PATENT ASSIGNEE(S): Aktiebolaget Astra, Sodertalje, Sweden (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5585378		19961217
APPLICATION INFO.:	US 1995-467695		19950606 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-417724, filed on 6 Apr 1995, now abandoned which is a continuation of Ser. No. US 1992-992407, filed on 17 Dec 1992, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	SE 1991-3752	19911218

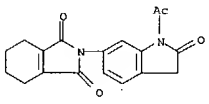
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Bernhardt, Emily
LEGAL REPRESENTATIVE: White & Case
NUMBER OF CLAIMS: 1
EXEMPLARY CLAIM: 1
LINE COUNT: 1489
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **150561-75-4P**
(prepn. and cholinesterase inhibitory activity of)
RN 150561-75-4 USPATFULL
CN 2H-Indol-2-one, 1,3-dihydro-1-[2-[4-(phenylmethyl)-1-piperazinyl]ethyl]-5-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



L8 ANSWER 12 OF 33 USPATFULL on STN
ACCESSION NUMBER: 93:85087 USPATFULL
TITLE: Substituted indolinones useful as herbicidal agents
INVENTOR(S): Condon, Michael E., Lawrenceville, NJ, United States
Karp, Gary M., Princeton Junction, NJ, United States
PATENT ASSIGNEE(S): American Cyanamid Company, Stamford, CT, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5252536		19931012
APPLICATION INFO.:	US 1991-815674		19911231 (7)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Lee, Mary C.
ASSISTANT EXAMINER: McKane, Joseph K.
LEGAL REPRESENTATIVE: Morris, Michael P.
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
LINE COUNT: 655
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **150544-09-5P**
(prepn. of, as herbicide)
RN 150544-09-5 USPATFULL
CN 2H-Indol-2-one, 1-acetyl-6-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)-1,3-dihydro- (9CI) (CA INDEX NAME)

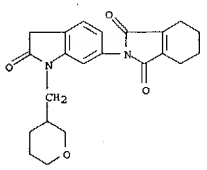


L8 ANSWER 13 OF 33 USPATFULL on STN
ACCESSION NUMBER: 91:70867 USPATFULL
TITLE: Use of derivatives of n-phenyl-3,4,5,6-tetrahydrophthalimide for the desiccation and abscission of plant organs
INVENTOR(S): Grossmann, Klaus, Limburgerhof, Germany, Federal Republic of
Mulder, Christiaan E. G., Nelspruit, South Africa
Wuerzer, Bruno, Otterstadt, Germany, Federal Republic of
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal
Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5045105		19910903
APPLICATION INFO.:	US 1990-481262		19900220 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1989-3905916	19890225

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Raymond, Richard L.
ASSISTANT EXAMINER: Pak, John D.
LEGAL REPRESENTATIVE: Keil & Weinkauf
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
LINE COUNT: 1433
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **132058-15-2P**
(prepn. of, as plant defoliants and desiccants)
RN 132058-15-2 USPATFULL
CN 1H-Isoindole-1,3(2H)-dione, 2-[2,3-dihydro-2-oxo-1-[(tetrahydro-2H-pyran-3-yl)methyl]-1H-indol-6-yl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

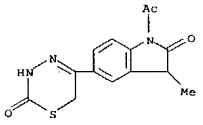


L8 ANSWER 14 OF 33 USPATFULL on STN
ACCESSION NUMBER: 90:46560 USPATFULL
TITLE: Thiadiazinone, oxadiazinone and triazinone derivatives,
and their use for treating acute or chronic heart disease
INVENTOR(S): Martin, Michel, Saint Gregoire, France
Nadler, Guy, Saint Gregoire, France
Zimmermann, Richard, Saint Gregoire, France
PATENT ASSIGNEE(S): Laboratoires Sobio S.A., France (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4933336		19900612
APPLICATION INFO.:	US 1988-230314		19880809 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1987-18957	19870811
	GB 1988-11276	19880512

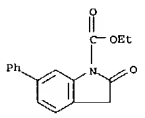
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Lee, Mary C.
ASSISTANT EXAMINER: Richter, J.
LEGAL REPRESENTATIVE: Jacobs & Jacobs
NUMBER OF CLAIMS: 24
EXEMPLARY CLAIM: 1,7
LINE COUNT: 2264
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **122280-65-3P**
(prepn. of, as cardiotonic and antiasthmatic)
RN 122280-65-3 USPATFULL
CN 2H-Indol-2-one, 1-acetyl-5-(3,6-dihydro-2-oxo-2H-1,3,4-thiadiazin-5-yl)-1,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)



L8 ANSWER 15 OF 33 USPATFULL on STN
ACCESSION NUMBER: 89:15063 USPATFULL
TITLE: Analgesic and antiinflammatory 1,3-diacyl-2-oxindole compounds
INVENTOR(S): Kadin, Saul B., New London, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4808601		19890228
APPLICATION INFO.:	US 1988-196187		19880519 (7)

RELATED APPLN. INFO.: Division of Ser. No. US 1987-1261, filed on 7 Jan 1987,
now patented, Pat. No. US 4752609 which is a division of Ser. No. US 1985-747194, filed on 20 Jun 1985, now patented, Pat. No. US 4690943 which is a continuation-in-part of Ser. No. US 1984-652372, filed on 19 Sep 1984, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ceperley, Mary E.
LEGAL REPRESENTATIVE: Richardson, Peter C., Lumb, J. Trevor
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1,4
LINE COUNT: 1119
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **100487-84-1P**
(prepn. and deethoxycarbonylation of)
RN 100487-84-1 USPATFULL
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)

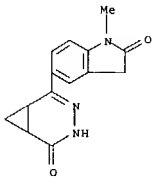


L8 ANSWER 16 OF 33 USPATFULL on STN
ACCESSION NUMBER: 88:60741 USPATFULL
TITLE: 2-aryl-3,4-diazabicyclo(4.n.0)alk-2-en-5-ones for the preparation of an agent for treating cardiac insufficiency
INVENTOR(S): Geiss, Karl-Heinz, Beindersheim, Germany, Federal Republic of
Rossy, Phillip A., Hilldale, NJ, United States
Thyes, Marco, Ludwigshafen, Germany, Federal Republic of
Koenig, Horst, Ludwigshafen, Germany, Federal Republic of
Lehmann, Hans D., Hirschberg, Germany, Federal Republic
of
Traut, Martin, Heidelberg, Germany, Federal Republic of
Gries, Josef, Wachenheim, Germany, Federal Republic of
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal
Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4772598		19880920
APPLICATION INFO.:	US 1986-914729		19861001 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1985-3535170	19851002

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Robinson, Douglas W.
LEGAL REPRESENTATIVE: Keil & Weinkauf
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
LINE COUNT: 287
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **85123-66-6P**
(prepn. of, as drug for cardiac insufficiency)
RN 85123-66-6 USPATFULL
CN 3,4-Diazabicyclo[4.1.0]hept-4-en-2-one, 5-(2,3-dihydro-1-methyl-2-oxo-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



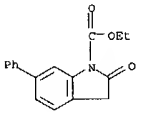
L8 ANSWER 16 OF 33 USPATFULL on STN (Continued)

L8 ANSWER 17 OF 33 USPATFULL on STN

ACCESSION NUMBER: 88:39196 USPATFULL
TITLE: Analgesic and antiinflammatory 1,3-diacyl-2-oxindole compounds
INVENTOR(S): Kadin, Saul B., New London, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4752609		19880621
APPLICATION INFO.:	US 1987-1261		19870107 (7)

RELATED APPLN. INFO.: Division of Ser. No. US 1985-747194, filed on 20 Jun 1985, now patented, Pat. No. US 4690943 which is a continuation-in-part of Ser. No. US 1984-652372, filed on 19 Sep 1984, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ceperley, Mary E.
LEGAL REPRESENTATIVE: Richardson, Peter C., Akers, Lawrence C., Lumb, J. Trevor
NUMBER OF CLAIMS: 34
EXEMPLARY CLAIM: 12
LINE COUNT: 1187
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **100487-84-1P**
(prepn. and deethoxycarbonylation of)
RN 100487-84-1 USPATFULL
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)

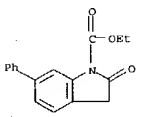


L8 ANSWER 18 OF 33 USPATFULL on STN

ACCESSION NUMBER: 88:5625 USPATFULL
TITLE: 1,3-disubstituted 2-oxindoles as analgesic and anti-inflammatory agents
INVENTOR(S): Kadin, Saul B., New London, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4721712		19880126
APPLICATION INFO.:	US 1984-670697		19841113 (6)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1984-619861, filed on 12 Jun 1984, now abandoned which is a continuation-in-part of Ser. No. US 1984-577903, filed on 7 Feb 1984, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ceperley, Mary E.
LEGAL REPRESENTATIVE: Richardson, Peter C., Akers, Lawrence C., Lumb, J. Trevor
NUMBER OF CLAIMS: 45
EXEMPLARY CLAIM: 27,38
LINE COUNT: 1644
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **100487-84-1P**
(prepn. of, as intermediate for oxindole analgesic and antiinflammatory agents)
RN 100487-84-1 USPATFULL
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)

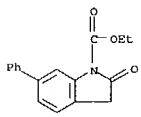


L8 ANSWER 19 OF 33 USPATFULL on STN

ACCESSION NUMBER: 87:62026 USPATFULL
TITLE: Analgesic and antiinflammatory 1,3-diacyl-2-oxindole compounds
INVENTOR(S): Kadin, Saul B., New London, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4690943		19870901
APPLICATION INFO.:	US 1985-747194		19850620 (6)

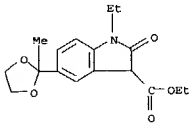
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1984-652372, filed on 19 Sep 1984, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ceperley, Mary E.
LEGAL REPRESENTATIVE: Richardson, Peter C., Akers, Lawrence C., Lumb, J. Trevor
NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1,7,8
LINE COUNT: 1188
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **100487-84-1P**
(prepn. and cyclization of)
RN 100487-84-1 USPATFULL
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 20 OF 33 USPATFULL on STN
ACCESSION NUMBER: 87:56917 USPATFULL
TITLE: Oxindole antiinflammatory agents
INVENTOR(S): Melvin, Jr., Lawrence S., Ledyard, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4686224		19870811
APPLICATION INFO.:	US 1985-762998		19850806 (6)

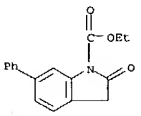
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1984-666953, filed on 31 Oct 1984, now patented, Pat. No. US 4644005
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Gerstl, Robert
LEGAL REPRESENTATIVE: Knuth, Charles J., Frost, Albert E., McManus, James M.
NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1
LINE COUNT: 1322
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **104018-62-4P**
(prepn. and amidation of)
RN 104018-62-4 USPATFULL
CN 1H-Indole-3-carboxylic acid, 1-ethyl-2,3-dihydro-5-(2-methyl-1,3-dioxolan-2-yl)-2-oxo-, ethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 21 OF 33 USPATFULL on STN
ACCESSION NUMBER: 87:34245 USPATFULL
TITLE: Process for making 2-oxindole-1-carboxamides and intermediates therefor
INVENTOR(S): Crawford, Thomas C., Ledyard, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4665194		19870512
APPLICATION INFO.:	US 1985-754318		19850712 (6)

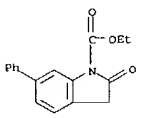
RELATED APPLN. INFO.: Division of Ser. No. US 1984-684889, filed on 21 Dec 1984, now abandoned which is a continuation-in-part of Ser. No. US 1984-590667, filed on 19 Mar 1984, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Brust, Joseph Paul
LEGAL REPRESENTATIVE: Knuth, Charles J., Richardson, Peter C., Lumb, J. Trevor
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
LINE COUNT: 1195
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **100487-84-1P**
(prepn. and decarboxylation of)
RN 100487-84-1 USPATFULL
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 22 OF 33 USPATFULL on STN
ACCESSION NUMBER: 87:26545 USPATFULL
TITLE: Intermediates for 1,3-disubstituted 2-oxindoles as analgesic and antiinflammatory agents
INVENTOR(S): Kadin, Saul B., New London, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4658037		19870414
APPLICATION INFO.:	US 1985-814719		19851230 (6)

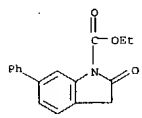
RELATED APPLN. INFO.: Continuation of Ser. No. US 1985-693696, filed on 22 Jan 1985, now abandoned which is a continuation-in-part of Ser. No. US 1984-619861, filed on 12 Jun 1984, now abandoned which is a continuation-in-part of Ser. No. US 1984-577903, filed on 7 Feb 1984, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ceperley, Mary E.
LEGAL REPRESENTATIVE: Knuth, Charles J., Richardson, Peter C., Lumb, J. Trevor
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
LINE COUNT: 1434
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **100487-84-1P**
(prepn. and decarboxylation of)
RN 100487-84-1 USPATFULL
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 23 OF 33 USPATFULL on STN
ACCESSION NUMBER: 87:20738 USPATFULL
TITLE: Process for making 2-oxindole-1-carboxamides and intermediates therefor
INVENTOR(S): Crawford, Thomas C., Ledyard, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4652658		19870324
APPLICATION INFO.:	US 1986-888297		19860722 (6)

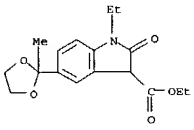
RELATED APPLN. INFO.: Division of Ser. No. US 1985-754318, filed on 12 Jul 1985 which is a division of Ser. No. US 1984-684889, filed on 21 Dec 1984, now abandoned which is a continuation-in-part of Ser. No. US 1984-590667, filed on 19 Mar 1984, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Brust, Joseph Paul
LEGAL REPRESENTATIVE: Knuth, Charles J., Richardson, Peter C., Lumb, J. Trevor
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
LINE COUNT: 1213
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **100487-84-1P**
(prepn. and decarboxylation of)
RN 100487-84-1 USPATFULL
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 24 OF 33 USPATFULL on STN
ACCESSION NUMBER: 87:11428 USPATFULL
TITLE: Oxindole antiinflammatory agents
INVENTOR(S): Melvin, Jr., Lawrence S., Ledyard, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4644005		19870217
APPLICATION INFO.:	US 1984-666953		19841031 (6)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Gerstl, Robert
LEGAL REPRESENTATIVE: Knuth, Charles J., Frost, Albert E., McManus, James M.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1,6
LINE COUNT: 1051
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **104018-62-4P**
(prepn. and amidation of, by difluoroaniline)
RN 104018-62-4 USPATFULL
CN 1H-Indole-3-carboxylic acid, 1-ethyl-2,3-dihydro-5-(2-methyl-1,3-dioxolan-2-yl)-2-oxo-, ethyl ester (9CI) (CA INDEX NAME)

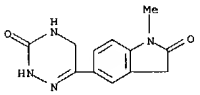


L8 ANSWER 25 OF 33 USPATFULL on STN
ACCESSION NUMBER: 86:20271 USPATFULL
TITLE: Triazine derivativee, and pharmaceutical compositions comprising the same
INVENTOR(S): Teraji, Tautomu, Osaka, Japan
Shiokawa, Youichi, Ibaraki, Japan
Okumura, Kazuo, Sakai, Japan
Sato, Yoshinari, Takaishi, Japan
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Osaka, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4581356		19860408
APPLICATION INFO.:	US 1984-588343		19840312 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1983-7831	19830322
	GB 1983-10437	19830418

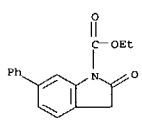
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ford, John M.
LEGAL REPRESENTATIVE: Oblon, Fisher, Spivak, McClelland & Maier
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
LINE COUNT: 1579
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **95657-55-9P**
(prepn. and platelet aggregation inhibition activity of)
RN 95657-55-9 USPATFULL
CN 2H-Indol-2-one, 1,3-dihydro-1-methyl-5-(2,3,4,5-tetrahydro-3-oxo-1,2,4-triazin-6-yl)- (9CI) (CA INDEX NAME)



L8 ANSWER 26 OF 33 USPATFULL on STN
ACCESSION NUMBER: 86:7999 USPATFULL
TITLE: N,3-Disubstituted 2-oxindole-1-carboxamides as analgesic and antiinflammatory agents
INVENTOR(S): Kadin, Saul B., New London, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4569942		19860211
APPLICATION INFO.:	US 1985-714012		19850322 (6)

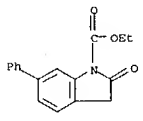
DISCLAIMER DATE: 20021203
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1984-607356, filed on 4 May 1984, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Daus, Donald G.
ASSISTANT EXAMINER: Ceperley, Mary E.
LEGAL REPRESENTATIVE: Knuth, Charles J., Richardson, Peter C., Lumb, J. Trevor
NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 17,50
LINE COUNT: 1713
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **100487-84-1P**
(prepn. and decarbethoxylation of)
RN 100487-84-1 USPATFULL
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 27 OF 33 USPATFULL on STN
ACCESSION NUMBER: 85:70921 USPATFULL
TITLE: 3-Substituted 2-oxindole-1-carboxamides as analgesic and anti-inflammatory agents
INVENTOR(S): Kadin, Saul B., New London, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4556672		19851203
APPLICATION INFO.:	US 1984-684634		19841221 (6)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1984-590659, filed on 19 Mar 1984, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Daus, Donald G.
ASSISTANT EXAMINER: Ceperley, Mary E.
LEGAL REPRESENTATIVE: Knuth, Charles J., Richardson, Peter C., Lumb, J. Trevor
NUMBER OF CLAIMS: 65
EXEMPLARY CLAIM: 20,59
LINE COUNT: 2048
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **100487-84-1P**
(prepn. and decarboethoxylation of)
RN 100487-84-1 USPATFULL
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-6-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 28 OF 33 USPATFULL on STN
ACCESSION NUMBER: 84:55316 USPATFULL
TITLE: 2-Aryl-3,4-diazabicyclo[4.n.0]alk-2-en-5-ones, and compositions for treating thermo-embolic disorders
INVENTOR(S): Rossy, Phillip A., Ludwigshafen, Germany, Federal Republic of
Thyes, Marco, Ludwigshafen, Germany, Federal Republic of
Franke, Albrecht, Wachenheim, Germany, Federal Republic of
Koenig, Horst, Ludwigshafen, Germany, Federal Republic of
Gries, Josef, Wachenheim, Germany, Federal Republic of
Lehmann, Hans D., Hirschberg, Germany, Federal Republic of
Lenke, Dieter, Ludwigshafen, Germany, Federal Republic of
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany, Federal Republic of (non-U.S. corporation)

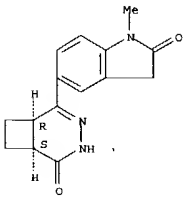
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4474785		19841002
APPLICATION INFO.:	US 1982-385272		19820604 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1981-3124699	19810624

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Daus, Donald G.
ASSISTANT EXAMINER: Teoli, Jr., William A.
LEGAL REPRESENTATIVE: Keil & Weinkauf
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 563
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **85123-64-4P**
(prepn. of)
RN 85123-64-4 USPATFULL
CN 3,4-Diazabicyclo[4.2.0]oct-4-en-2-one, 5-(2,3-dihydro-1-methyl-2-oxo-1H-indol-5-yl)-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L8 ANSWER 28 OF 33 USPATFULL on STN (Continued)

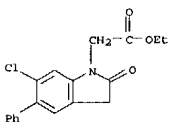


L8 ANSWER 29 OF 33 USPATFULL on STN
ACCESSION NUMBER: 84:15827 USPATFULL
TITLE: Lower alkanoic acid derivatives of 2-oxo-benzoxazolines and aldose reductase inhibiting compositions thereof
INVENTOR(S): Ueda, Ikuo, Toyonaka, Japan
Matsuo, Masaaki, Toyonaka, Japan
Satoh, Susumu, Ikeda, Japan
Watanabe, Takao, Mukou, Japan
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Osaka, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4438126		19840320
APPLICATION INFO.:	US 1982-409089		19820818 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1980-155185, filed on 2 Jun 1980, now patented, Pat. No. US 4370340		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1979-74239	19790612

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Coughlan, Jr., Paul M.
ASSISTANT EXAMINER: Springer, D. B.
LEGAL REPRESENTATIVE: Oblon, Fisher, Spivak, McClelland & Maier
NUMBER OF CLAIMS: 3
EXEMPLARY CLAIM: 1,3
LINE COUNT: 905
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **77859-77-9P**
(prepn. of)
RN 77859-77-9 USPATFULL
CN 1H-Indole-1-acetic acid, 6-chloro-2,3-dihydro-2-oxo-5-phenyl-, ethyl ester (9CI) (CA INDEX NAME)

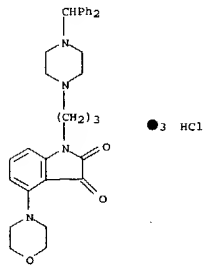


L8 ANSWER 30 OF 33 USPATFULL on STN
ACCESSION NUMBER: 83:18080 USPATFULL
TITLE: Isatin derivatives, processes for the preparation thereof and pharmaceutical composition comprising the same
INVENTOR(S): Teraji, Tsutomu, Osaka, Japan
Oku, Teruo, Osaka, Japan
Namiki, Takayuki, Ikeda, Japan
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Osaka, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4382934		19830510
APPLICATION INFO.:	US 1979-83271		19791010 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1978-39977	19781010

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Daus, Donald G.
ASSISTANT EXAMINER: Turnipseed, James H.
LEGAL REPRESENTATIVE: Oblon, Fisher, Spivak, McClelland & Maier
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1,16
LINE COUNT: 1160
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **75590-98-6P**
(prepn. of)
RN 75590-98-6 USPATFULL
CN 1H-Indole-2,3-dione, 1-[3-[4-(diphenylmethyl)-1-piperazinyl]propyl]-4-(4-morpholinyl)-, trihydrochloride (9CI) (CA INDEX NAME)

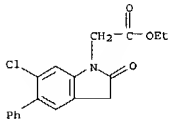


L8 ANSWER 31 OF 33 USPATFULL on STN
ACCESSION NUMBER: 83:4101 USPATFULL
TITLE: Benzothiazol-2-one-3-alkanoic acids and esters and aldose reductase inhibiting compositions thereof
INVENTOR(S): Ueda, Ikuo, Toyonaka, Japan
Matsuo, Masaaki, Toyonaka, Japan
Satoh, Susumu, Ikeda, Japan
Watanabe, Takao, Mukou, Japan
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Osaka, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4370340		19830125
APPLICATION INFO.:	US 1980-155185		19800602 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1979-74239	19790612

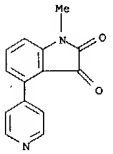
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Daus, Donald G.
ASSISTANT EXAMINER: Springer, D. B.
LEGAL REPRESENTATIVE: Oblon, Fisher, Spivak, McClelland & Maier
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1,4
LINE COUNT: 921
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **77859-77-9P**
(prepn. of)
RN 77859-77-9 USPATFULL
CN 1H-Indole-1-acetic acid, 6-chloro-2,3-dihydro-2-oxo-5-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 32 OF 33 USPATFULL on STN
ACCESSION NUMBER: 82:15130 USPATFULL
TITLE: 1H-Indole-2,3-dione derivatives
INVENTOR(S): Leaher, George Y., R.D. 1, Box 268, East Greenbush, NY,
United States 12061
Page, Donald F., 21 Alva St., East Greenbush, NY, United States 12061
Gruett, Monte D., Box 304A, Elliot Rd., East Greenbush, NY, United States 12061

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4322533		19820330
APPLICATION INFO.:	US 1981-225773		19810116 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1980-130622, filed on 17 Mar 1980, now abandoned		

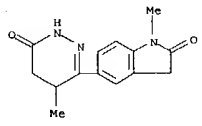
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Brust, Joseph Paul
LEGAL REPRESENTATIVE: Webb, William G., Wyatt, B. Woodrow
NUMBER OF CLAIMS: 48
EXEMPLARY CLAIM: 1,30
LINE COUNT: 816
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **82160-46-1P**
(prepn. of)
RN 82160-46-1 USPATFULL
CN 1H-Indole-2,3-dione, 1-methyl-4-(4-pyridinyl)- (9CI) (CA INDEX NAME)



L8 ANSWER 33 OF 33 USPATFULL on STN
ACCESSION NUMBER: 81:16513 USPATFULL
TITLE: Pyridazinone compounds
INVENTOR(S): Nakao, Toru, Nakatsu, Japan
Setoguchi, Shinro, Fukuoka, Japan
Yaoka, Osamu, Fukuoka, Japan
PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Osaka, Japan
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4258185		19810324
APPLICATION INFO.:	US 1980-139625		19800414 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1978-952183, filed on 17 Oct 1978, now abandoned		

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Daus, Donald G.
ASSISTANT EXAMINER: Turnipseed, James H.
LEGAL REPRESENTATIVE: Sughrue, Rothwell, Mion, Zinn and Macpeak
NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1
LINE COUNT: 633
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **70386-03-7P**
(prepn. of)
RN 70386-03-7 USPATFULL
CN 2H-Indol-2-one, 1,3-dihydro-1-methyl-5-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)- (9CI) (CA INDEX NAME)



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L1              STRUCTURE UPLOADED
L2           346 S L1 FULL

     FILE 'CA' ENTERED AT 14:56:28 ON 20 SEP 2004
L3           187 S L2

     FILE 'REGISTRY' ENTERED AT 14:56:41 ON 20 SEP 2004
L4              STRUCTURE UPLOADED
L5           110 S L4 FULL

     FILE 'CA' ENTERED AT 15:00:25 ON 20 SEP 2004
L6            57 S L5
L7            47 S L6 AND PY<2000

     FILE 'USPATFULL' ENTERED AT 15:01:17 ON 20 SEP 2004
L8            33 S L5

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---Logging off of STN---


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Executing the logoff script...


=> LOG Y

STN INTERNATIONAL LOGOFF AT 15:01:59 ON 20 SEP 2004
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